

West, P. C., L. C. Merriam, and H. L. Hansen. 1968. An Exploratory Study of Selected Attitudes and Perceptions of Itasca State Park Users. Minnesota Forestry Notes #188.

16. Social Class, Work, and Leisure

The nature of one's work and the amount of time spent at work have been viewed as important determinants of leisure and recreation behavior. Leisure is traditionally viewed as a residual of time left "free" from one's occupational duties. Behavior and value patterns are related to the stratification system and prestige associated with various leisure pursuits. The use of time is the topic for several articles. As more "free" time becomes available to people and as the ethic of one's rights to enjoy his/her career in the work world gains greater acceptance. This set of factors may prove to be even more crucial in explaining the social value of time and the social meaning of leisure.

Anderson, Nels, 1961. Work and Leisure. New York: The Free Press of Glencoe, Inc.

Bacon, A. W. 1974. Leisure and the Alienated Worker: A Critical Reassessment of Three Theories of Work and Leisure. Journal of Leisure Research. To be Published in 1975.

Berger, Nennett M. 1963. The Sociology of Leisure in Work and Leisure, Pp. 21-40, in E. O. Smigel (ed.), New Haven, Connecticut: College and University Press.

Bishop, Doyle and Masaru Ikeda. 1970. Status and Role Factors in the Leisure Behavior of Different Occupations. Sociology and Social Research 2 (January): 190-208.

Bull, C. Neil. 1967. Work: Effect on number and duration of activities per day. Vancouver. Unpublished Master's thesis, University of British Columbia.

Burdge, Rabel J. 1969. Levels of Occupational Prestige and Leisure Activity. Journal of Leisure Research 1 (3): 262-274.

Burdge, Rabel J. 1965. Occupational Influences on the Use of Outdoor Recreation. University Park: Pennsylvania State University. Unpublished Ph.D. dissertation.

Cheek, Neil. 1971. Towards Sociology of Not-Work. Pacific Sociological Review 14 (July): 245-258.

Clarke, A. C. 1956. The Use of Leisure and Its Relation to Levels of Occupational Prestige. American Sociological Review 21 (June): 301-307.

Cunningham, David A., Henry J. Montoye, Helen L. Metzner, and Jacob B. Keller. 1970. Active Leisure Activities as Related to Occupation. Journal of Leisure Research 2 (Spring): 104-111.

- DeGrazia, Sebastian. 1964. Of Time, Work and Leisure. New York: Doubleday.
- Dowell, Linus J. 1967. Recreational Pursuits of Selected Occupational Groups. The Research Quarterly 4: 719-722.
- Dubin, Robert. 1963. Industrial Workers' Worlds: A Study of the "Central Life Interests" of Industrial Workers. Pp. 53-72, In Erwin O. Smigel (ed.), Work and Leisure: A Contemporary Social Problem. New Haven: College and University Press.
- Dumazedier, Joffre and Nicole Latouche. 1962. Work and Leisure in French Sociology. Industrial Relations 1 (February): 13-30.
- du Toit, J. B. 1960. Work and Leisure Roles of Young People, Sociology and Social Research 44 (March-April): 235-243.
- Faunce, William A. 1959. Automotion and Leisure. Pp. 85-95 in Edwin O. Smigel (ed.), Work and Leisure: A Contemporary Social Problem. New Haven, Connecticut: College and University Press.
- Fish, George. 1964. Personal Disposable Time: The Psychology of Occupational Differences in the Use of Leisure. in The Frontiers of Management Psychology. New York: Harper and Row, pp. 251-268.
- Friedmann, George. 1962. The Anatomy of Work. New York: Free Press of Glencoe.
- Gerstl, Joel E. 1961. Leisure, Taste, and Occupational Milieu. in Erwin O. Smigel (ed.), Work and Leisure. New Haven: College and University Press, pp. 146-163.
- Goldstein, Bernice, and Robert L. Eichorn. 1961. The Changing Protestant Ethic: Rural Patterns in Health, Work, and Leisure. American Sociological Review 26 (August): 557-565.
- Goodman, N. C. 1969. Leisure, Work, and Use of Time: A Study of Adult Style of Time Utilization, Childhood Determinants, and Vocational Implications. Dissertation Abstract International, 3C, 4-A: 1897.
- Gordon, Milton, and Anderson, C. H. 1964. The Blue-Collar Worker at Leisure. In Shostak, Arthur B. and Gomberg, William, eds. Blue-Collar World. Englewood Cliffs: Prentice-Hall.
- Green, Thomas F. 1968. Work, Leisure, and the American Schools. New York: Random House.

- Harrison, B. H. and E. J. Hobsbawn. 1965. Work and Leisure in Industrial Society. Past and Present 30 (April): 96-102.
- Harry, Joseph. 1971. Work and Leisure: Situational Attitudes. Pacific Sociological Review 14 (July): 301-309.
- Hedges, Janice Neipert. 1971. A Look at the 4-Day Workweek. Monthly Labor Review 94 (October): 33-37.
- Johnston, Denis F. 1972. The Future of Work: Three Possible Alternatives. Monthly Labor Review (May).
- Jordon, Millard K. 1963. Leisure Time Activities of Sociologists, Attorneys, Physicists, and People at Large From Greater Cleveland. Sociology and Social Research 47 (April): 290-297.
- Kando, T. M. and W. C. Summer. 1971. Impact of Work on Leisure. Pacific Sociological Review 14 (July): 324-327.
- Kelly, John R. 1972. The Meaning of Leisure: Work Relation and Discretion as the Definitional Dimensions of Leisure. Unpublished Ph.D. dissertation. University of Oregon. Eugene, Oregon.
- Kelly, John R. 1972. Work and Leisure: A Simplified Paradigm. Journal of Leisure Research 4 (Winter): 50-62.
- King, David. 1968. Socioeconomic Variables Related to Campsite Use. Forest Science 14: 45-54.
- Kerr, G., 1955. The Shortening Work Week as a Component of Economic Growth. In American Economic Review. papers and proceedings, p. 46.
- Krepts, Juanita M., 1968. Lifetime Allocation of Work and Leisure. U. S. Department of Health, Education, and Welfare Research Report No. 22.
- Mabry, Bevars, D. 1969. Income-Leisure Analysis and the Salaried Professional. Industrial Relations 8 (February): 162-173.
- Mathews, A. T. V. and B. Abu-Leban. 1959. Job Satisfaction and Leisure-Time Activity in Restrictive Environment. Sociology and Social Research 43 (January): 189-196.
- McEvoy, James III. 1974. Hours of Work and the Demand for Outdoor Recreation. Journal of Leisure Research 6 (Spring) in press.
- Mead, Margaret, 1960. Work, Leisure and Creativity. Daedalus 89 (Winter): 13-23.

- Meissner, Martin, 1971. The Long Arm of the Job: A Study of Work and Leisure. Industrial Relations 10 (October): 239-260.
- Meyersohn, Rolf. 1963. Changing Work and Leisure Routines. In E. O. Smigel, (ed.), Work and Leisure New Haven, Connecticut: College and University Press.
- Moore, G. H., and J. N. Hedges, 1971. Trends in Labor and Leisure. Monthly Labor Review February.
- Morris, Glenn, Richard Pasewark and John Schultz. 1972. Occupational Level and Participation in Public Recreation in a Rural Community Journal of Leisure Research 4 (Winter): 25-32.
- Moses, L. N. 1962. Income Leisure, and Wage Pressure. Economic Journal 72 (June): 320-334.
- Noe, Francis P. 1971. Autonomous Spheres of Leisure Activity for the Industrial Executive and Blue Collarite. Journal of Leisure Research 3 (Fall): 250-260.
- Nye, F. Ivan. 1958. Employment Status and Recreational Behavior of Mothers. Pacific Sociological Review 1 (Fall): 69-72.
- Orzack, Louis H. 1963. Work As A "Central Life Interest" of Professionals. In Erwin O. Smigel (ed.) Work and Leisure: A Contemporary Social Problem. New Haven: College and University Press: 73-84.
- Parker, Stanley. 1971. The Future of Work and Leisure. New York: Praeger.
- Parker, Stanley R. 1969. Theory and Practice of the Work-Leisure Relationship. Society and Culture 2 (December 1969): 29-49.
- Parker, S. R. 1965. Work and Non-Work in Three Occupations. American Sociological Review 13: 65-75.
- Parker, Stanley. 1964. Type of Work, Friendship Patterns and Leisure, Human Relations 17 (August): 215-219.
- Raynaud, E. 1969. The Time Concept in the Evaluation of Rural and Employment and Leisure Time Activities. Social Science Information 8 (June): 59-86.
- Riessman, D. Work and Leisure in Post-Industrial Society. In Larrabee and Meyersohn.

- Riessman, Leonard. 1954. Class, Leisure, and Social Participation. American Sociological Review 76-84.
- Seligman, B. B. 1965. On Work, Alienation, and Leisure. American Journal of Economic Sociology 24 (October): 337-360.
- Smigel, Erwin O., ed. 1963. Work and Leisure: A Contemporary Social Problem. New Haven, Connecticut: College and University Press.
- Spaulding, Irving A. 1971. Occupation, Recreation, and Phasic Commu-  
tation Selected Rhode Island Sport Fishermen, Kingston, R.I.  
University of Rhode Island. Agricultural Experiment Station.  
Bulletin 405.
- Spaulding, Irving A. 1967. Occupational and Free Time Activities:  
Euphoria-Tension Levels and Selected Influencing Factors,  
Bulletin, 393, Agricultural Experiment Station, University  
of Rhode Island.
- Spreitzer, Elmer and Eldon Snyder. 1974. Work Orientation, Meaning  
of Leisure and Mental Health. Journal of Leisure Research 6  
(Summer): 207-219.
- Steele, James L. and Poor, Riva. 1970. Work and Leisure: The  
Reactions of People at 4-day Firms. Pp. 105-122 in Riva Poor  
(ed.), 4 days, 40 hours. Cambridge: Bursk and Poor.
- Swados, Harvey, 1960. Less Work-Less Leisure. In E. Larrabee and  
R. Meyersohn, Mass Leisure.
- Thomas, Lawrence C. 1956. Leisure Pursuits by Socio-Economic Strata,  
Journal of Educational Sociology 29 (May): 267-377.
- Torbert, William R. and W. Malcolm Rogers. 1973. Being for the Most  
Part Puppets: Interactions Among Men's Labor, Leisure and Politics.  
Cambridge, Mass.: Schenkman Publishing Company.
- Vosburgh, William W., III. 1960. Social Class and Leisure Time.  
Unpublished doctoral's dissertation, New Haven: Yale University.
- Wheeler, Kenneth E., Gurman, Richard and Tarnowieski, Dale. 1972.  
The Four-Day Week. An American Management Association Research  
Report. New York: American Management Association, Inc.
- White, C. R. 1955. Social Class Differences in the Uses of Leisure.  
American Journal of Sociology 61 (September): 145-150.
- Wilensky, Harold L. 1964. The Uneven Distribution of Leisure: The  
Impact of Economic Growth on Free Time. In E. O. Smigel (ed.),  
Work and Leisure. New Haven: College and University Press.

Wilensky, Harold L. 1962. Labor and Leisure: Intellectual Traditions.  
Industrial Relations. 2 (February): 1-12.

17. Sports

Organized games and sports events are qualitatively different from more informal, spontaneous kinds of daily leisure and recreation. Peer groups become more important than family groups in this area. The organization of sports lends itself to a different approach to research precisely because of its more stable, recurrent nature. Much of the work being done in this area comes from outside the United States.

Albonico, R. 1966. Sport Sociology in Switzerland. International Review of Sport Sociology 1: 209-217.

Artemov, V. 1966. Physical Education and Leisure. International Review of Sport Sociology 1: 75-84.

Beisser, Arnold. 1967. The Madness in Sports. New York: Appleton-Century-Crofts.

Bloss, H. 1970. Sport and Vocational School Pupils. Results of an Empirical Sociological Study in Commercial Vocational Schools in Bremen. International Review of Sport Sociology 5: 25-58.

Bouet, M. 1969. Integrational Functions of Sport in the Light of Research Based on Questionnaires. International Review of Sport Sociology 4: 129-136.

Bouet, M. 1966. The Function of Sport in Human Relations. International Review of Sport Sociology 1: 137-140.

Boulogne, Y. P. 1966. Physical Education in Tunisia 1956-1966--Ten Years of Effort. International Review of Sport Sociology 1: 261-265.

Boyle, Robert H. 1963. Sport, Mirror of American Life. Boston: Little, Brown and Company.

Brailsford, Dennis. 1969. Sport and Society: Elizabeth to Anne. Toronto: University of Toronto Press.

Brockmann, D. 1969. Sport as Integrating Factor in the Countryside. International Review of Sport Sociology 4: 151-176.

Cagigal, Jose M. 1968. Social Education Through Sport: A Trial. Gymnasium, International Council of Health, Physical Education and Recreation (Autumn).

Chourbagi, Z. 1968. Physical Education and Sports in Syria. International Review of Sport Sociology 3: 197-199.



- Charnofsky, H. 1968. The Major League Professional Baseball Player: Self-Conception Versus the Popular Image. International Review of Sport Sociology 3: 39-56.
- Cikler, J. 1970. Simultaneous Research of the Sports and Creative Artistic Groups. International Review of Sport Sociology 5: 105-116.
- Daniels, A. S. 1969. The Study of Sport as an Element of the Culture. In John W. Loy, Jr., and Gerald S. Kenyon (eds.), Sport Culture and Society. London: The MacMillan Company.
- Daniels, A. S. 1966. The Study of Sport as an Element of the Culture. International Review of Sport Sociology 1: 153-166.
- Draper, Mary. 1964. Sport and Race in South Africa. Johannesburg; Institute of Race Relations.
- Dumazedier, Joffre. 1968. Some Remarks on Sociological Problems in Relation to Physical Education and Sports. International Review of Sport Sociology 3: 5-16.
- Elias, N. & E. Dunning. 1966. Dynamics of Group Sport with Special References to Football. British Journal of Sociology 17 (December): 388-402.
- Erback, G. 1966. The Science of Sport and Sport Sociology--Questions Related to Development--Problems of Structure. International Review of Sport Sociology 1: 59-74.
- Frederickson, Florence Stump. 1969. Sports and the Cultures of Man. Pp. 87-100 in John Loy and Gerald Kenyon, (eds.), Sport, Culture, and Society. New York: MacMillan.
- Friedenberg, Edgar Z. 1967. "Forward" in Howard Slusher, Man, Sport, and Existence. Philadelphia: Lea and Febiger.
- Gerber, Ellen W., ed. 1972. Sport and the Body: A Philosophical Symposium. Philadelphia: Lea and Febiger.
- Hale, Creighton J. 1959. Athletics for Pre-High School Age Children. Journal of Health, Physical Education, and Recreation 30 (December): 19-21.
- Hart, Marie. 1972. Sport in the Sociocultural Process. Dubuque: William C. Brown Co.
- Heinila, K. 1966. Notes on the Inter-Group Conflicts in International Sport. International Review of Sport Sociology 1: 31-40.

Ingram, Anne G., and Humphrey, James H. Sport Sociology Anthropology. New York: Apple-Century-Crofts, (in Press).

International Review of Sport Sociology. 1966. Annual: Edited by Andrzej Wohl. Warsaw, Poland: Polish Scientific Publishers.

Johnson, W. R. and D. Hutton. 1955. Effects of Combative Sports upon Personality Dynamics as Measured by a Projective Test. Research Quarterly (26): 49-53.

Jokl, Ernest. 1964. Medical Sociology and Cultural Anthropology of Sport and Physical Education. Springfield, Illinois: Charles C. Thomas.

Kenyon, G. S. 1970. The Use of Path Analysis in Sport Sociology with Special Reference to Involvement Socialization. International Review of Sport Sociology 5: 191-204.

Kenyon, G. S. 1969. Aspects of Contemporary Sport Sociology. Chicago: The Architec Institute.

Kenyon, G. S. 1966. The Significance of Physical Activity as a Function of Age, Sex, Education, and Socio-Economic Status of Northern United States Adults. International Review of Sport Sociology 1: 41-58.

Kenyon, Gerald S. and John W. Loy. 1969. Sport, Culture, and Society: A Reader in the Sociology of Sport. New York: MacMillan.

Krawczyk, Z. 1970. Florian Znaniecki's Humanist Approach to Physical Culture. International Review of Sport Sociology 5: 181-204.

Krawczyk, B. 1968. Social Specificity of Higher Schools of Physical Education. International Review of Sport Sociology 3: 97-116.

Kukushkin, G. I. 1966. Sociological Research into Physical Culture in the U.S.S.R. International Review of Sport Sociology 1: 242-243.

Larson, Leonard A. 1964. Why Sports Participation? Journal of Health, Physical Education, and Recreation 35 (January): 37.

Lenk, H. 1966. Total or Partial Engagement? Changes Regarding the Personal Ties with the Sports Club, International Review of Sport Sociology 1: 85-108.

Lopata, L. 1968. The Structure of Time and the Share of Physical Education in the Case of Industrial Workers and Cooperative Farmers in the U.S.S.R. International Review of Sport Sociology 3: 17-38.

- Loy, J. W., Jr. 1968. An Information Retrieval System for Sport Sociologists. International Review of Sport Sociology 3: 149-154.
- Loy, J. W., Jr. 1966. A Paradigm of Technological Change in the Sports Situation. International Review of Sport Sociology 1: 177-194.
- Loy, J. W., Jr. and J. F. Elvogue. 1970. Racial Segregation in American Sport. International Review of Sport Sociology 5: 5-24.
- Maloney, T. L. and Petrie, B. M. 1972. Professionalization of Attitude Toward Play Among Canadian School Pupils as a Function of Sex, Grad, and Athletic Participation. Journal of Leisure Research 4 (Summer): 184-195.
- McIntosh, P. C. 1966. Twentieth Century Attitudes Toward Sport in Britain. International Review of Sport Sociology 1: 19-30.
- Myers, A. E. 1970. Psychological Advantages in a Competitive Game. International Review of Sport Sociology 5: 163-174.
- Niwa, T. 1968. A Methodological Study in the Group Cohesiveness of Sport Group Based on Sociometry. International Review of Sport Sociology 3: 57-73.
- Ogilvie, Bruce C. 1971. Sport: If You Want To Build Character, Try Something Else. Psychology Today 5/5 (October): 61-63.
- Petrak, B. 1966. Sociology of Physical Education in Czechoslovakia. International Review of Sport Sociology 1: 244-246.
- Ponomarev, N. I. 1966. Free Time and Physical Education. International Review of Sport Sociology 1: 167-176.
- Schafer, W. E. 1971. Sport, Socialization and the School. Paper presented: Third International Symposium on the Sociology of Sport, University of Waterloo, Ontario, Canada.
- Schafer, W. E. 1969. Some Social Sources and Consequences of Inter-scholastic Athletics: The Case of Participation and Delinquency. International Review of Sport Sociology 4: 63-82.
- Schafer, W. E. and Phillips, J. C. 1970. The Athletic Subculture: A Preliminary Study. Paper presented at the American Sociological Association Meetings, Washington, D. C.

- Slusher, Howard S. 1967. Man, Sport and Existence. Philadelphia: Lea and Febiger.
- Sofranko, Andrew J. and Michael F. Nolan. 1972. Early Life Experiences and Adult Sports Participation. Journal of Leisure Research 4 (Winter): 6-18.
- Sports Council. 1968. Planning for Sport. London: Central Council of Physical Recreation.
- Steglich, W. 1968. The Introduction of a Prerepresentative Sample Method in Sport Sociology. International Review of Sport Sociology 3: 156-172.
- Stejskal, M. 1970. Folk-Athletic Games. International Review of Sport Sociology 5: 175-184.
- Stone, Gregory, 1958. American Sports-Play and Display. Pp. 253-263 in Eric Larrabee (ed.), Mass Leisure. New York: Free Press.
- Strutt, Joseph, 1970. The Sports and Pastimes of the People of England. New York: Augustus M. Kelly.
- Sutton-Smit, Brian, John M. Roberts and Robert M. Kozelka. 1969. Game Involvement in Adults. Pp. 244-258 in Kenyon and Loy (eds.), Sport, Culture, and Society. New York: MacMillan.
- Thompson, Richard. 1964. Race and Sport. London: Oxford University Press.
- Trogsch, F. 1966. The State and Development of Sport Sociology Research in The German Democratic Republic. Review and Bibliography. International Review of Sport Sociology 1: 218-226.
- Tunis, John. 1958. The American Way in Sport. New York: Duell, Sloan and Pearce.
- Webb, H. 1969. Professionalization of Attitudes Toward Play Among Adolescents. In Kenyon, G. S. (ed.), Aspects of Contemporary Sport Sociology. Chicago: The Athletic Institute.
- White, C. M. 1967. Towards a Sociology of Physical Education and Sport: Some Theoretical Considerations, Gymnasium 4: 13-16.
- Wohl, A. 1970. Competitive Sport and Its Social Functions. International Review of Sport Sociology 5: 117-130.
- Wohl, A. 1968. Fifty Years of Physical Culture in the U.S.S.R. Reflections and Conclusions. International Review of Sport Sociology 3: 173-196.

- Wohl, A. 1966. Conception and Range of Sport Sociology. International Review of Sport Sociology 1: 5-18.
- Wonneberger, I. 1968. The Role of Physical Culture and Sport in Leisure Pursuits of Women as Compared with that of Men. International Review of Sport Sociology 3: 117-124.
- Zurcher, Louis A. 1967. On Bullfights and Baseball: An Example of Interaction of Social Institutions. International Journal of Comparative Sociology 8 (March): 99-117.

18. Demand Analysis and Prediction

This group of publications were separated from the economics section of leisure because they are not limited to a strict economic interpretation of demand for leisure. This is a necessary division for those interested in public recreational facilities demand. Projections of use in the future and in currently undeveloped recreational areas are included. There are also methodological notes in many of the papers for guiding future demand analysis research.

Baumann, D. D. 1969. The Recreational Use of Domestic Water-Supply Reservoirs: Perception and Choice, The University of Chicago, Department of Geography, Research Paper No. 121.

Boyet, W. E. and G. S. Tolley. 1966. Recreation Projection Based on Demand Analysis. Journal of Farm Economics 48 (November): 984-1001.

Brooks, L. 1961. The Forces Shaping Demand for Recreation Space in Canada in Resources For Tomorrow. Conference in Montreal. October 23-28. Ottawa: Roger Dukamel, pp. 981-1001.

Brown, Gardner, Jr. 1968. Selection of the Optimum Method for Estimating the Demand for Non-Market Water Resources with Incomplete Information. Seattle: Washington University OWRR Project A-015-Washington (1).

Brown, Tommy L. and Bruce T. Wilkins. 1975. Methods of Outdoor Recreation Projection. Journal of Leisure Research. (forthcoming).

California, State of, Department of Parks and Recreation. 1966. Outdoor Recreation Outlook to 1980, Monograph No. 1, Los Angeles Metropolitan Complex, June.

Cesario, F. J., S. E. Goldstone, and J. L. Knetsch. 1970. Outdoor Recreation Demands and Values, a report by Battelle-Columbus Laboratories to the Middle Atlantic Utility Group.

Cicchetti, Charles J. 1973. Forecasting Recreation in the United States: An Economic Review of Methods and Applications to Plan for the Required Environmental Resources Lexington, Massachusetts: Lexington Books.

Cicchetti, Charles J., Joseph J. Seneca, and Paul Davidson. 1969. The Demand and Supply of Outdoor Recreation. New Brunswick, N. J., Bureau of Economic Research, Rutgers-State University.

- Clawson, M. 1972. Social Needs and the Urban Marine Environment. Pp. 80-104 in Coastal Zone Management. New York: John Wiley and Sons.
- Daiute, R. J. 1966. Methods for Determination of Demand for Outdoor Recreation. Land Economic (August): 327-338.
- Davis, Robert. 1967. The Value of Outdoor Recreation in the Main Woods: A Study of Techniques for Recreation Demand Analysis. Washington, D.C.: Resources for the Future, May.
- Gillespie, Glenn A. and Durward Brewer. 1969. An Econometric Model for Predicting Water-Oriented Outdoor Recreation Demand. Washington, D.C., U.S. Department of Agriculture, Economic Research Service ERS-402.
- Gillespie, G. A. and D. Brewer. 1968. Effects of Non-Price Variables Upon Participation in Water Oriented Outdoor Recreation, American Journal of Agricultural Economics, February.
- Gullidge, Ellsworth J. and Frank J. Uraback. 1970. Planning for Pleasure Boating on Regional Basis. Journal of the Waterways, Harbors and Coastal Engineering Division. ASCE, 96 No. WW 3 paper 7453 (August): 583-600.
- Hecock, R. D. and J. R. Rooney. 1971. An Analysis of Latent Demand for Water Based Outdoor Recreation Facilities. Stillwater: Oklahoma State University Department of Geography and National Technical Information Service publication PB 210-809.
- Johnson, H. A. 1970. Characteristics of Supply and Demand in Outdoor Recreation. Agriculture Economic Research 22 (January): 18-23.
- Johnston, W. E. and V. S. Pankey. 1968. Use Prediction Models for Corps of Engineers Reservoirs in California, An Economic Study of the Demand for Outdoor Recreation, a Collection of Papers Presented at the Annual Meeting of the Cooperative Regional Research Technical Committee WM-59, Report No. 1, San Francisco, California, March 25-26, 1968. The results of the study also appear as: United States Department of the Army, Office Chief of Engineers, Analysis of Recreational Use of Selected Reservoirs in California, Plan Formulation and Evaluation Studies -- Recreation, Contract Report No. 1, July, 1969.
- Kalter, Robert J. and Lois E. Gosse. 1970. Recreation Demand Functions and the Identification Problem. Journal of Leisure Research 2 (Winter): 43-53.

- Kalter, Robert J. and Lois E. Gosse. 1969. Outdoor Recreation: Projections for 1970-1985. Toward the Year 1985 - Special Cornell Series Number 5. New York State College of Agriculture and Life Sciences at Cornell University, Ithaca, New York.
- Knetsch, Jack L. 1969. Assessing the Demand for Outdoor Recreation. Journal of Leisure Research 1 (Winter): 85-87.
- Knetsch, J. L. 1963. Outdoor Recreation Demands and Benefits. Land Economics 39 (November): 387-396.
- Lerner, L. J. 1965. The Demand - Value Structure of Recreation. New Horizons 12-27.
- Lime, D. W. 1971. Factors Influencing Campground Use in the Superior National Forest of Minnesota. St. Paul, Minnesota: USDA Forest Service, Research paper NC-60, North Central Forest Experiment Station.
- Manning, Glenn H., et. al. 1973. Projecting Iowa's Outdoor Recreation Needs to 1980. Ames, Iowa: Iowa State University Agriculture and Home Economics Experimental Station.
- Manthy, R. S. and L. M. James. 1969. A Study of Probable Future Demand on the Public Lands, for the Public Land Law Review Commission. Department of Forestry, Michigan State University, East Lansing, Michigan.
- Mueller, Eva and Gerald Guerin. 1961. The Demand For Outdoor Recreation. Ann Arbor, Michigan: Institute for Social Research, University of Michigan, April.
- Owens, Gerald P. 1965. Factors Affecting Demand for Outdoor Recreation. Ph.D. thesis. Ohio State University.
- Owen, John D. 1971. The Demand for Leisure. Journal of Political Economy.
- Pankey, V. S. and W. E. Johnston. 1969. Analysis of Recreational Use of Selected Reservoirs in California. Washington, D. C.: Office, Chief of Engineers, Department of the Army.
- Price, Reginald C. 1966. The Increasing Impact of Recreation on Water Resources Planning, in Proceedings of the 2nd Annual American Water Resources Conference. Urbana, Illinois, pp. 187-192.
- Rousseau, S., J. Beaman, and H. Cheung. 1973. Analysis of Variance as a Tool for Estimating Participation in Outdoor Recreation Activities. CORD Technical Note 12, Ottawa: National Parks.



- Seckler, D. W. 1968. Analytical Issues in Demand Analysis for Outdoor Recreation: Comment. American Journal of Agricultural Economics 50 (February): 147-153.
- Seneca, Joseph J. 1969. Water Recreation, Demand and Supply. Water Resources Research 5 (December): 1119-1185.
- Shafer, Elwood L. 1968. The Demand for Water-Oriented Outdoor Recreation. Parks and Recreation 3 (February): 23-24, 57.
- Shafer, E. L. and G. Moeller. 1971. Predicting Quantitative and Qualitative Values of Recreation Participation, in Recreation Symposium Proceedings, October 12-14. Syracuse, New York, State University of New York, College of Forestry, p. 5-22.
- Staley, Edwin J. 1969. Determining Neighborhood Recreation Priorities: An Instrument. Journal of Leisure Research 1 (Winter): 69-74.
- Stoevener, Herbert H. and William G. Brown. 1967. Analytical Issues in Demand Analysis for Outdoor Recreation, Journal of Farm Economics 49 (December): 1295-1306. (Contains discussion by B. Delworth Gardner.)
- Tadros, Mahfouz and Robert J. Kalter. 1971. A Spatial Allocation Model for Projected Outdoor Recreation Demand. Ithaca: Cornell University, Agricultural Experiment Station.
- Twiss, R. H. and R. B. Litton, Jr. 1966. Resource Use in the Regional Landscape Natural Resources Journal 6: 76-81.
- Ullman, E. L., D. J. Volk. 1962. An Operational Model for Predicting Reservoir Attendance and Benefits: Implications of a Location Approach to Water Recreation, Papers of the Michigan Academy of Science, Arts, and Letters 47: 473-484.
- U. S. Department of the Army, Office, Chief of Engineers. 1969. Estimating Initial Reservoir Recreation Use. Technical Report No. 2. Sacramento:
- U. S. Outdoor Recreation Resources Review Commission. 1962. Projections to the Years 1976 and 2000: Economic Growth Population, Labor Force, Leisure, and Transportation. Study Report 23, Washington, D. C.: Government Printing Office.
- Wennergren, E. Boyd. 1967. Demand Estimates and Resource Values for Resident Deer Hunting in Utah. Utah Agricultural Station Bulletin 469, (June).

- Wennergren, E. Boyd and Darwin B. Nielsen. 1970. Probability Estimates of Recreation Demands. Journal of Leisure Research 2 (Spring): 112-122.
- Wennergren, E. B. and D. B. Nielsen. 1968. A Probability Approach to Estimating Demand for Outdoor Recreation. Utah Agricultural Experiment Station Bulletin No. 478.
- Wilson, R. R. 1971. Demand Theory: Time Allocation and Outdoor Recreation. Southern Journal of Agricultural Economics 3 (December): 103-108.
- Wilson, Robert R. 1970. Behavior Models: Time Allocation, Consumer Assembly, and Outdoor Recreation. An Economic Study of the Demand for Outdoor Recreation, Cooperative Regional Research Technical Committee Report No. 2, Project No. WM-59.

- Noe, Francis P. 1970. A Comparative Typology of Leisure in Non-industrialized Society. Journal of Leisure Research 2 (Winter): 30-42.
- O'Leary, Joseph T., Donald R. Field, and Gerald Schreuder. 1974. Social Groups and Water Activity Clusters: An Exploration of Interchangeability and Substitution. In Donald R. Field, James C. Barron and Burl F. Long (eds.), Water and Community Development: Social and Economic Perspectives. Ann Arbor, Michigan: Ann Arbor Science Publishers. Pp. 195-217.
- Parker, Stanley. 1971. The Future of Work and Leisure. New York: Praeger Publishers.
- Patmore, R. and J. Allan. 1970. Land and Leisure. Newton Abbot, Devon, England: David and Charles.
- Peterson, G. L. and E. S. Neumann. 1969. Modeling and Predicting Human Response to the Visual Recreation Environment. Journal of Leisure Research 1 (Fall): 219-237.
- Pieper, J. 1963. Leisure the Basis of Culture. Translated from the German by Andrew Drew. Toronto: New American Library.
- Fisani, Lawrence F. 1965. Organized Recreation and Delinquency. Social Science. 40 (January): 7-10.
- Redlich, Fritz. 1965. Leisure-Time Activities: A Historical, Sociological and Economic Analysis. Explorations in Entrepreneurial History 3 (Fall): 3-23.
- Robbins, F. G. 1955. The Sociology of Play, Recreation, and Leisure Time. Dubuque, Iowa: W. C. Brown Company.
- Roberts, John M., Malcolm J. Arth, and Robert R. Bush. 1959. Games in Culture. American Anthropologist 61 (August): 597-605.
- Roberts, Kenneth. 1970. Leisure. New York: Humanities Press, Inc.
- Sapora, Allen V. and Elmer D. Mitchell. 1961. The Theory of Play and Recreation. New York: Ronald Press Company.
- Schramm, Wilbur. 1969. Classroom Out-of Doors: Education Through School Camping. Kalamazoo, Michigan: Sequoia Press/Publishers.
- Shiver, Joy S. 1959. Homeostasis: Essence of Recreation. Journal of the Association for Physical and Mental Rehabilitation 13 (6): 188-190.
- Silbermann, Alphons. 1963. The Sociology of Music. London: Routledge and K. Paul.

- Vendien, C. Lynn and John E. Nixon. 1968. The World Today in Health, Physical Education and Recreation. Englewood Cliffs, New Jersey: Prentice-Hall, Inc.
- Wolfe, R. I. 1972. The Inertia Model. Journal of Leisure Research 4 (Winter): 73-76.
- Yukic, Thomas S. 1964. Fundamentals of Recreation. New York: Harper and Row.

4. Methods in Leisure and Recreation Research

Because of the essentially practical nature of leisure and recreation, the development of adequate methodological tools to apply to specific problems is potentially the most valuable knowledge available. In this area, accumulation of previous findings is particularly imperative.

- Ballweg, J. A. 1971. Techniques for Measuring Public Evaluation of Recreational Versus Hydroelectric Water Use. Blacksburg: Virginia Polytechnic Institute and State University, and Technical Information Service publication PB-202-858.
- Beaman, J. G. and J. B. Leicester. 1969. Computer Usage in Recreation Survey Techniques. Caper Journal 35 (5): 25.
- Beaman, J. G. and J. B. Leicester, 1967. Recreation Surveys in Depth: Data Matrix and Computer Analysis in Recreation Studies. Parks and Recreation Association of Canada Journal (September - October): 9-10. Also published in Recreation (The National Parks and Recreation Association Journal) (March 1967): 20-22.
- Beaman, J. G. and J. B. Leicester. 1967. Recreation Survey Techniques. Sections 6-412 and 6-712 of Canadian Symposium of Recreation, Montreal. Pp. 35.
- Becker, Noris W. 1972. The Museum Visitor Register as a Data Source. Journal of Leisure Research 4 (Summer): 208-214.
- Bishop, Doyle. 1966. Some Multivariate Data Analysis Techniques and Their Application to Recreation Research. In Collected Papers from American Association for Health, Physical Education and Recreation Conference on Recreation Research, Pennsylvania State University. Pp. 177-193.
- Brown, Perry J., A. Allen Dyer and Ross S. Whaley. 1973. Recreation Research--So What? Journal of Leisure Research 5 (Winter): 16-24.
- Brown, W. G. 1973. Impact of Aggregation Upon Estimation of Outdoor Recreation. American Journal of Agricultural Economics 55 (May): 246-249.
- Brown, W. G. 1972. Effect of Aggregation Upon Estimation and Specification of Outdoor Recreation Demand Functions. Western Farm Economic Association Proceedings 45: 344-350.
- Bull, C. Neil. 1972. Prediction of Future Daily Behaviors: An Empirical Measure of Leisure. Journal of Leisure Research 4 (Spring): 119-128.

- Bull, C. Neil. 1971. One Measure for Defining a Leisure Activity. Journal of Leisure Research 3 (Spring): 120-126.
- Bultena, Gordon L. and Lowell L. Klessig. 1969. Satisfaction in Camping: A Conceptualization and Guide to Social Research. Journal of Leisure Research 1 (Autumn): 348-354.
- Burby, Raymond, T. G. Donnelly, and Shirley Weiss. 1971. A Model for Simulating Residential Development in Reservoir Recreation Areas. Chapel Hill: North Carolina University Water Resources Research Institute Report 52. National Technical Information Service publication PB 201-750.
- Burch, William R., Jr. 1964. A Look at an Old Friend - Observation as a Technique for Recreation Research. Pacific Northwest Forest and Range Experiment Station, USDA Forest Service, Portland, Oregon.
- Burdge, Rabel J. 1961. The Development of a Leisure Orientation Scale. M. S. Thesis, Columbus: The Ohio State University.
- Burdge, Rabel J. and Donald R. Field. 1972. Methodological Perspectives for the Study of Outdoor Recreation. Journal of Leisure Research 4 (Winter): 63-72.
- Burdge, Rabel J. and John C. Hendee. 1972. The Demand Survey Dilemma: Assessing the Credibility of State Outdoor Recreation Plans. Guideline 2 (6): 63-68.
- Burdge, Rabel J. and Jon Hendricks. 1973. A Comment on the Sociological Direction of Research on Leisure. Society and Leisure 5 (1): 159-163.
- Burke, Hubert D., Glenn H. Lewis, and Howard R. Orr. 1968. A Method for Classifying Scenery From a Roadway. Park Practice Guidelines (March): 125-141.
- Bury, Richard, and Neil J. Stout. 1970. A Thesaurus of Keywords for Indexing and Retrieval of Recreation Literature. Journal of Leisure Research 2 (Summer): 171-204.
- Burton, Thomas L. 1970. Recreation Research Planning London: George Allen and Unwin, Ltd.
- Burton, Thomas L. 1971. Experiments in Recreation Research. London: George Allen and Unwin, Ltd.
- Burton, Thomas L. 1971. Identification of Recreation Types Through Cluster Analysis. Society and Leisure 3 (1): 47-64.

- Burton, Thomas L. and P. A. Noad. 1968. Recreation Research Methods: A Review of Recent Studies. University of Birmingham. Centre for Urban and Regional Studies, Occasional Paper No. 3.
- Campbell, Frederick L. 1970. Participant Observation in Outdoor Recreation. Journal of Leisure Research 2 (Fall): 226-236.
- Cesario, Frank J., Jr. 1969. Operations Research in Outdoor Recreation. Journal of Leisure Research 1 (Winter): 33-52.
- Cesario, Frank J., and Jack L. Knetsch. 1970. Time Bias in Recreation Benefit Estimates. Water Resources Research 6 (June): 700-704.
- Cheung, Hym K. 1972. A Day-Use Visitations Model. Journal of Leisure Research 4 (Spring): 139-156.
- Cicchetti, Charles J. 1972. A Review of the Empirical Analysis That Have Been Based Upon the National Recreation Surveys. Journal of Leisure Research 4 (Spring): 90-170.
- Clarke, David H. and H. Harrison Clarke. 1970. Research Processes in Physical Education, Recreation and Health. Englewood Cliffs, New Jersey: Prentice Hall.
- Clawson, Marion. 1959. Methods of Measuring Demand for and Value of Outdoor Recreation. Washington, D.C.: Resources for the Future, Inc. (Reprint No. 10).
- Clawson, Marion, and Jack L. Knetsch. 1963. Outdoor Recreation Research: Some Concepts and Suggested Areas of Study. Natural Resources Journal 3 (October): 250-275.
- Clawson, Marion, and Jack L. Knetsch. 1963. Outdoor Recreation Research. Washington, D. C.: Resources for the Future, Inc. 3 (Reprint No. 43).
- Crapo, Douglas and Michael Chubb. 1969. Recreation Area Day-Use Techniques: Part 1, A Study of Survey Methodology Department of Park and Recreation Resources, Michigan State University, Technical Report No. 6.
- Cunningham, Kenneth and Theodore Johannis. 1960. Research on Family and Leisure: A Review and Critique of Selected Studies. The Family Life Coordinator 9: 25-32.
- Dearinger, John A. and George M. Woolwine. 1971. Measuring the Intangible Values of Natural Streams, Part I, Application of the Uniqueness Concept. Lexington: University of Kentucky Water Resources Institute. Research Report No. 40.

- Devall, W. B. 1970. Conservation: An Upper-Middle Class Movement: A Replication. Journal of Leisure Research 2 (Spring): 123-126.
- Dietz, A. L. 1973. Computer Simulation of Recreational Boating Activities. Water Resources Bulletin 9 (June): 494-498.
- Dyer, A. Allen and R. S. Whaley. Predicting Use of Recreation Sites. Logan: Utah Agricultural Experiment Station. Bulletin 477.
- Elsner, Gary H. 1970. Camping Use - Axle Count Relationship; Estimation With Desirable Properties. Forest Science 16 (December): 493-500.
- Elsner, Gary H. 1971. A Regression Method for Estimating the Level of Use and Market Area of a Proposed Large Ski Resort. Journal of Leisure Research 3 (Summer): 160-167.
- Elsner, Gary H. 1971. Using Error Measures to Compare Models on Recreation Use. Journal of Leisure Research 3 (Fall): 277-278.
- Emmet, I. 1970. Sociological Research in Recreation. In T. L. Burton (ed.), Recreation Research and Planning. London: Allen and Unwin.
- Ennis, P. H. 1968. The Definition and Measurement of Leisure. In E. B. Sheldon and W. E. Moore (eds.) Indicators of Social Change. N.Y.: Russell Sage Foundation. Pp. 525-573.
- Ferriss, Abbott. L. 1963. Applications of Recreation Surveys. Public Opinion Quarterly 27 (Fall): 443-454.
- Field, Donald R. 1973. The Telephone Interview in Leisure Research. Journal of Leisure Research 5 (Winter): 51-59.
- Frick, G. E. and C. T. K. Ching. 1970. Generation of Local Income From Users of a Rural Public Park. Journal of Leisure Research 2 (Fall): 260-263.
- Greist, David A. 1969. A Method for Determining Elements of Satisfaction in Outdoor Recreation. Unpublished Master's thesis, Colorado State University.
- Heberlein, Thomas A. 1973. Social Psychological Assumptions of User Attitude Surveys: The Case of the Wilderness Scale. Journal of Leisure Research 5 (Summer): 18-33.
- Institute for Social Science Research on Natural Resources of Utah State University. 1968. Proceedings of the Workshop for Sociological Aspects of Water Resources Research. Report No. 1 Logan: Utah State University.



- James, George A. 1968. Pilot Test of Sampling Procedures for Estimating Recreation Use on Winter Sports Sites. Southeast Forest Experiment Station. U. S. Forest Service. Research Paper SE-42.
- James, George A. and R. Henley. 1968. Sampling Procedures for Estimating Mass and Dispersed Types of Recreation Use of Large Areas. U. S. Forest Service Paper SE-31. Ashville, North Carolina: Southeastern Forest Experiment Station.
- Johannis, Theodore B., Jr. and Kenneth R. Cunningham. 1959. Conceptions of Use of Non-work Time: Individual, Husband-Wife, Parent-Child and Family-A Methodological Note. The Coordinator 8 (December): 34-36.
- Johnston, W. E. and V. S. Pankey. 1968. Some Considerations Affecting Empirical Studies of Recreational Use. American Journal of Agricultural Economics 50 (December): 1739-1744.
- Jubenville, Alan. 1971. A Test of Differences Between Wilderness Recreation Party Leaders and Party Members. Journal of Leisure Research 3 (Spring): 116-119.
- Kando, Thomas and Worth C. Summers. 1971. The Impact of Work of Leisure: Toward A Paradigm and Research Strategy. Pacific Sociological Review 14 (July): 310-327.
- Kelly, John R. 1973. Three Measures of Leisure Activity: A Note on the Continued Incommensurability of Oranges, Apples, and Artichokes. Journal of Leisure Research 5 (Spring): 56-65.
- Kryger, Paul and K. A. Otteson. 1956. Can the License-plate Method be Used For Traffic Surveys? Traffic Quarterly 15: 377-386.
- LaPage, Wilbur. 1969. The Camper Views the Interview. Journal of Leisure Research 1 (Spring): 181-186.
- LaPage, W. F. 1971. Cultural "Fogweed" and Outdoor Recreation Research. In: Proceedings, Forest Recreation Symposium, U. S. Forest Service, Upper Darby, Pennsylvania. Pp. 186-193.
- Leopold, Luna B. 1969. Landscape Esthetics: How to Quantify the Scenics of a River Valley. Natural History (October): 37-44.
- Leopold, Luna B. 1969. Method for Measuring Landscape Appeal. Natural History 8: 36-45.
- Leopold, Luna B. 1969. Quantitative Comparison of Some Aesthetic Factors Among Rivers. U. S. Geological Survey Circular 620, Washington.

- Leopold, Luna B. and Maura O'Brien Marchand. 1968. On the Quantitative Inventory of the Riverscape. Water Resources Research 4 (August): 710-717.
- Lime, David W. 1970. Research for Determining Use Capacities of the Boundary Waters Canoe Area. Naturalist 21 (Winter): 8-13.
- Lindsay, J. J. 1967. Locating Potential Outdoor Recreation Areas From Aerial Photographs. Journal of Forestry 67 (January): 33-50.
- Lucas, R. C. 1963. Bias in Estimating Recreationists Length of Stay From Sample Interviews. Journal of Forestry 61: 912-914.
- Lucas, R. C. 1963. The Status of Recreation Research Related to Users. Proceedings, Society of American Foresters. Pp. 127-130.
- Lucas, Robert C. and Jerry L. Oltman. 1971. Survey Sampling Wilderness Visitors. Journal of Leisure Research 3 (Winter): 28-43.
- Lucas, Robert C., Hans T. Schreuder, and George A. James. 1971. Wilderness Use Estimation: A Pilot Test of Sampling Procedures on the Mission Mountains Primitive Area. Intermountain Forest and Range Experiment Station, U. S. Forest Service Research Paper INT-109.
- Lucas, R. C. and D. L. Schweitzer. 1965. Outdoor Recreation Surveys: Length-of-stay Bias and Its Correction by Computer. USDA Forest Service Research Note LS-68. St. Paul, Minnesota: Lake State Forest Experiment Station.
- McCoy, E. W. and W. C. Willis. 1971. A Use of Cluster Analysis in Outdoor Recreation Research. Auburn, Alabama: Alabama Agricultural Experiment Station Bulletin 419.
- McCuen, R. H. 1973. A Segmental Decision Approach in Recreational Analysis. Water Resources Bulletin 9 (2): 219-230.
- Marquardt, Raymond A., Anthony F. McGann, John C. Ratliff, and Jack C. Routson. 1972. The Cognitive Dissonance Model as a Predictor of Customer Satisfaction Among Camper Owners. Journal of Leisure Research 4 (Fall): 275-283.
- Milstein, D. 1967. Systems Analysis for Outdoor Recreation, The Michigan State Economic Record 9: 1-8.
- Milstein, D. N., et al. Michigan Outdoor Recreation Demand Study, Volume I, Methods and Models. Technical Report No. 6. Lansing, Michigan, Department of Conservation.

- Mitchell, L. S. 1968. The Facility Index as a Measure of Attendance at Recreation Sites. Professional Geographer 20 (4): 276-278.
- Moncrief, Lewis. 1970. Trends in Outdoor Recreation Research. Journal of Leisure Research 2 (Spring): 127-130.
- National Academy of Sciences. 1969. A Program for Outdoor Recreation Research. Washington: National Academy of Sciences.
- Neumann, Edward S. and George L. Peterson. 1970. Evaluating Subjective Response to the Recreation Environment: A Quantitative Analysis of Dissimilar Preferences for the Visual Characteristics of Beaches. Evanston: Northwestern University Outdoor Recreation Opportunity and Needs and Desires Technical Report I. U. S. Public Health Service Grant No. 5 RO1EC-00301.
- Neumeyer, Martin H. 1958. Areas for Research in Leisure and Recreation. Sociology and Social Research 43 (Nov.-Dec.): 90-96.
- O'Ruordan, T. 1970. Outdoor Recreation Research. In Foster, H., and W. Sewell (eds.), Resources, Recreation and Research, Western Geographical Series, Occasional Papers in Geography, 13: 150-159. University of Victoria, British Columbia.
- Peterson, George L. and David W. Lime. 1973. Two Sources of Bias in the Measurement of Human Responses to the Wilderness Environment. Journal of Leisure Research 5 (Spring): 66-73.
- Ritchie, J. R. Brent. 1973. Some Critical Aspects of Measurement Theory and Practice in Travel Research working paper, Universite' Laval.
- Robinson, John P. 1969. Social Change as Measured by Time Budgets. Journal of Leisure Research 1 (Winter): 75-78.
- Romm, Jeff. 1969. The Value of Reservoir Recreation. Ithaca: Cornell University, Water Resources and Marine Sciences Center Technical Report 19.
- Rugg, Robert D. 1973. Map Records of Forest Recreational Itineraries. Journal of Leisure Research 5 (Winter): 60-66.
- Schreuder, H. 1972. Estimating Dispersed Recreation Use Along Trails and in General Undeveloped Areas With Electric-eye Counters: Some Preliminary findings. Southeastern Forest Experiment Station, U. S. Forest Service Research Note 181.
- Seckler, D. W. and L. M. Hartman. 1967. The Methodology of Economics in Public Outdoor Recreation Research. Western Farmers Economic Association Proceedings. 40th Annual Meeting: 274-278.



- Shafer, Elwood L., Jr. 1964. The Photo-Choice Method for Recreation Research. NE Forest Experiment Station, Upper Darby, Pennsylvania: USDA Forest Service Research Paper NE-29.
- Shafer, Elwood L., Jr. and James Mietz. 1970. It Seems Possible to Quantify Scenic Beauty in Photographs. NE Forest Experiment Station, Upper Darby, Pennsylvania: USDA Forest Service Research Paper NE-162.
- Shafer, E. L., Jr. and R. C. Thompson. 1968. Models That Describe Use of Adirondack Campgrounds. Forest Science 14 (December): 383-391.
- Smith, Robert J. and N. J. Kavanaugh. 1969. The Measurement of Benefits of Trout Fishing: Preliminary Results of a Study at Graham Water, Great Ouse Water Authority, Huntingdonshire. Journal of Leisure Research 1 (Autumn): 316-332.
- Staley, Edwin J. 1969. Determining Neighborhood Recreation Priorities: An Instrument. Journal of Leisure Research 1 (Winter): 69-74.
- Stoltenberg, Carl H., et al. 1970. Planning Research for Resource Decisions. Ames, Iowa: Iowa State University Press.
- Tatham, R. L. and R. J. Dornoff. 1971. Market Segmentation for Outdoor Recreation. Journal of Leisure Research (3): 5-16.
- U. S. Department of the Interior, Bureau of Outdoor Recreation. 1969. A Program for Outdoor Recreation Research. Washington: National Academy of Sciences Publication 1727.
- Van Doren, Carlton S. 1969. Geographic Methodology in Natural Resource and Outdoor Recreation Research. Paper presented at the Annual meeting of the Rural Sociological Society, San Francisco.
- Wager, J. A. and J. F. Thalhiner. 1968. Computer Programs for Weighting Length of Stay and Other Visitor Characteristics. U.S. Forest Service Note INT-79.
- Wehunt, E. P., Jr. 1971. A Methodology Study to Develop Evaluation Criteria for Wild and Scenic Rivers. Moscow, Idaho: Idaho Water Resources Research Institute, unpublished M.S. Thesis.
- Wenger, Wiley D., Jr. and H. M. Gregerson. 1971. The Effect of Non-response on Representativeness of Wilderness-Trail Register Information. USDA Forest Service Research Paper PNW-17.
- Wenger, Wiley D., Jr. and Richard Videbeck. 1969. Eye Pupillary Measurement of Aesthetic Response to Forest Scenes. Journal of Leisure Research 1 (Spring): 149-162.

- Wennergren, E. G., and D. B. Nielsen. 1970. Probability Estimates of Recreation Demands. Journal of Leisure Research 2: 112-122.
- West, Patrick C. and L. C. Merriam, Jr. 1970. Outdoor Recreation and Family Cohesiveness: A Research Approach. Journal of Leisure Research 2 (Fall): 251-259.
- Wilkinson, Paul F. 1973. The Use of Models in Predicting the Consumption of Outdoor Recreation. Journal of Leisure Research 5 (Summer): 34-48.
- Winkel, Gary H., Roger Malek, and Phillip Thiel. 1970. Community Response to the Design Features of Roads: A Technique of Measurement. Highway Research Record. Number 305: 133-145.
- Wood, D. F. 1961. The Distances Travelled Technique for Measuring Value of Recreation Areas: An Application. Land Economics (37): 363-369.

5. Evaluation of Leisure and Recreation Programs

Program evaluation of recreational projects and the value of recreation in general are the subject of these references. While a potentially fruitful area of research, the literature on evaluation is quite sparse. This seems to be a reflection of the inherent nature of evaluation research in that it is difficult to do and less likely to be written up and published.

Beardsley, W. 1971. Bias and Non-comparability in Recreation Evaluation Models. Land Economics 47 (May): 175-180.

Burt, O. R. and D. Brewer, 1971. Estimation of Net Social Benefits from Outdoor Recreation. Econometrica 39 (September): 813-827.

Burton, T. L. and M. N. Fulcher. 1968. Measurement of Recreational Benefits a Survey. Journal of Economics Studies 3: 35-48.

Castle, Emery, Maurice Kelso, and Delworth Gardner. 1963. Water Resources Development: A review of the New Federal Evaluation Procedures. Journal of Farm Economics XLV No. 4

Cicchetti, Charles J., Robert K. Davis, Steve H. Hanke, and Robert H. Haveman. 1973. Evaluating Federal Water Projects: A Critique of Proposed Standards. Science (August): 723-728.

Cook, Walter L., Jr. 1972. An Evaluation of the Aesthetic Quality of Forest Trees. Journal of Leisure Research (Fall): 293-302.

Craighead, Frank C., Jr. and John J. Craighead. River Systems: Recreational Classification, Inventory and Evaluation. Naturalist, Journal of Natural History Society of Minnesota 13 (2): 2-19.

Darling, A. H. 1973. Measuring Benefits Generated by Urban Water Parks. Land Economics XLIX (February): 22-34.

Grimes, Orville F. 1970. Evaluation of Recreation and Aesthetic Uses of Water in an Urban Setting. Chicago: University of Chicago Urban Economics Workshop Paper.

Hatry, Harry and Dunn, Diana. 1971. Measuring the Effectiveness of Local Government Services: Recreation. Washington: The Urban Institute.

Hodges, Louis and Carlton S. Van Doren. 1972. Synagraphic Mapping as a Tool in Locating and Evaluating the Spatial Distribution of Municipal Recreation Facilities. Journal of Leisure Research (Fall): 341-353.

- James, L. I. 1968. Evaluating Recreation Benefits From Visitation Prediction Equations: Comment. American Journal of Agriculture Economics. 50 (May): 437-443.
- Knetsch, J. L., and R. K. Davis. 1966. Comparisons of Methods of Recreation Evaluation. In Allen V. Kneese, and Stephen C. Smith (eds.), Water Research. Baltimore: John Hopkins Press. Pp. 125-142.
- Lewis, Philip H., Jr. 1964. Landscape Analysis: Lake Superior South Shore Area. Wisconsin Department of Resource Development, Madison.
- Lucas, Robert C. 1970. User Evaluation of Campgrounds on Two Michigan National Forests. North Central Forest Experiment Station, St. Paul, Minnesota: USDA Forest Service Research Paper NC-44.
- Mack, Ruth P. and Myers, Summer. 1965. Outdoor Recreation. In R. Dorfman (ed.), Measuring the Benefits of Government Investments. Washington: Brookings.
- Magill, Arthur W., and Eamor C. Nord. 1963. An Evaluation of Campground Conditions and Needs for Research. Berkeley, California: Pacific Southwest Forest and Range Experiment Station, U. S. Forest Service Research Note PSW-4.
- Magill, Arthur W. 1970. Five California Campgrounds--Conditions Improve After 5 Years' Recreational Use. Berkeley, California: Pacific Southwest Forest and Range Experiment Station, U. S. Forest Service Research Paper PSW-62.
- Romn, J. 1969. The Value of Reservoir Recreation. New York Resources and Marine Sciences Center and Cornell University Agriculture Experiment Station Technical Report 19.
- Seneca, J. J. 1968. "A Generalized Approach to Estimate Recreation Benefits." University of Pennsylvania, unpublished Ph.D. dissertation.
- Smith, R. J. 1971. The Evaluation of Recreation Benefits: The Clawson Method in Practice. Urban Studies 8: 89-102.
- Smith, R. J. and Kavanaugh, N. J. 1969. The Measurement of Benefits of Trout Fishing: Preliminary Results of a Study at Graham Water, Great Ouse Water Authority, Huntingdonshire. Journal of Leisure Research 1 (4): 316-332.
- Taylor, Gordon D. Evaluation of Site's Potential for a Successful Outdoor Recreation Enterprise. In Guidelines to Planning, Developing, and Managing Rural Recreation Enterprises. Virginia Polytechnic Institute, Extension Bulletin 301, (no date available).

- Trice, A. H. and S. E. Wood. 1958. Measurement of Recreation Benefits. Land Economics 34 (August): 195-207.
- Tussey, R. C., Jr. 1967. Analysis of Reservoir Recreation Benefits. Lexington: Water Resources Institute, University of Kentucky, Research Report No. 2.
- Ullman, E. L. 1968. Geographical Prediction and Theory: The Measure of Recreation Benefits in the Meramec Basin. In S. B. Cohen (ed.), Geography and the American Environment. Voice of America Forum Lectures.
- Ullman, Edward L. 1964. A Measure of Water Recreation Benefits. In Water Resources: Management for the Needs of an Expanding Society, Seminar. University of Washington, (March): 15-29.
- United States Congress. 1964. Evaluation Standards for Primary Outdoor Recreation Benefits, Suppl. No. 1 to Senate Doc. 97: Policies, Standards and Procedures in the Formation, Evaluation and Review of Plans for use and Development of Water and Related Land Resources. 87th Congress, October 29, 1962.
- U. S. Congress. 1962. Policies, Standards and Procedures in Formulation Evaluation and Review of Plans for Use and Development of Water and Related Land Resources. Senate document 97, 87th Congress, 2nd session, U. S. Government Printing Office, Washington, D.C.
- U. S. Department of the Army. Quality of the Recreation Experience: Estimation of its Benefits. U. S. Government Contract No. DA-49-129-CIVENG-65-11. (no date available).
- U. S. Department of Conservation, Michigan State University. 1962. The Quality of Outdoor Recreation as Evident by User Satisfaction. Outdoor Recreation Resources Review Commission Study Report No. 5, Washington, D.C.
- Wood, Donald T. 1961. The Distance-Traveled Technique for Measuring Values of Recreation Areas: An Application. Land Economics 37 (November): 363-369.



6. Management and Planning for Leisure

This division will be especially interesting and useful to those employed in parks and other planning positions. The references deal exclusively with very practical and relevant issues.

- Amidon, Elliot. 1964. A Computer-Oriented System for Assembling and Displaying Land Management Information. Berkeley, California. Forest Service, U. S. Department of Agriculture, Pacific S. W. Forest and Range Experiment Station.
- Arthur D. Little, Inc. 1967. Marketing Study and Recommendations Concerning Federal Recreation Area Permit and Fee System. Report to the Bureau of Outdoor Recreation. Washington, D.C.: U. S. Government Printing Office.
- Baher, W. M. 1961. Assessing and Allocating Renewable Resources for Recreation. In Resources for Tomorrow. Conference in Montreal. October 23-28. Ottawa: Roger Duhamel. Pp. 981-1001.
- Bannon, Joseph. 1972. Problem Solving in Recreation and Parks. Englewood Cliffs, New Jersey: Prentice-Hall, Inc.
- Battle River Regional Planning Commission. 1966. Pigeon Lake, Planning a Recreational Resource. Alberta, Canada.
- Beaman, Jay. 1971. Mathematical Models as a Tool in Outdoor Recreation Planning. In the 1971 Statistical Reference on Visitation, the User and Use by the National Parks Service Planning Division, Ottawa.
- Beaman, J. G. and J. B. Leicester. 1969. The Uses of Weather Data in Recreational Planning. CAPHER JOURNAL, 35 (5): 25 ff.
- Beazley, Elizabeth. 1969. Designed for Recreation. London: Farber & Farber.
- Bengtsson, A. 1970. Environmental Planning for Children's Play. New York: Praeger.
- Bevins, Malcolm I. (ed.). 1970. Planning Tomorrow's Campground. Extension Service. University of Vermont, Burlington, Vermont. Bulletin 1197.
- Boggs, G. David. 1967. The Administration of a Great Lakes Recreational Resource by an Agricultural Municipality. Outdoor Geography 1: 45-54.

- Brightbell, Charles and H. D. Meyer. 1961. Recreation Administration. New Jersey: Prentice Hall.
- Bultena, G. L. and M. J. Taves. 1961. Changing Wilderness Images and Forestry Policy. Journal of Forestry 61 (10): 707-712.
- Burch, William R. 1964. Two Concepts for Guiding Recreation Management Decisions. Journal of Forestry 61 (10): 707-712.
- Burgess, R. L., R. N. Clark, and J. C. Hendee. 1971. An Experimental Analysis of Anti-Litter Procedures. Journal of Applied Behavioral Analysis 4: 71-76.
- Butler, George D. 1957. The Structure of Public Leisure Agencies. Annals of American Academy of Political and Social Science 313 (September): 119-125.
- California State, Parks and Recreation Information System. 1966. Planning Monograph No. 2. California: Department of Parks and Recreation, (November).
- Campbell, Frederick L., John C. Hendee, and Roger Clark. 1968. Law and Order in Public Parks. Reproduced from Parks and Recreation. December, 1968 by the Forest Service, U. S. Department of Agriculture.
- Carruthers, Garrey E. and Wilbur R. Maki. 1971. Simulation of Iowa's Public Outdoor Recreation Sector: A Decision-Oriented Resource Management Model. Regional Science Perspectives 1 (1): 1-14.
- Catton, William R., Jr. 1966. Some Observations by a Sociologist Regarding Recreational Use of Wildland: Sociological Research as a Recreation Management Tool. Paper presented at the Wildland Recreation Management Seminar, Seattle.
- Cesario, Frank T. 1974. A Simulation Approach to Outdoor Recreation Planning Journal of Leisure Research 6 (Summer): in press.
- Chappell, D. E. 1971. Quantitative Analysis in a Qualitative World: Modeling Forestry Systems to Improve Decision-Making. Paper presented at Sociology of American Forest National Conservation, Department of Resource Economics, Michigan State University, East Lansing.
- Cheung, H. K. 1972. A Day-Use Visitation Model. Journal of Leisure Research 4: 139-156.
- Cheung, H. and J. Beaman. 1973. An Application of Mathematical Models to Compare Two Potential Park Sites. CORD Technical Note 7, National Parks, Ottawa, Canada.

- Clawson, M. 1968. Philmont Scout Ranch - An Intensively Managed Wilderness. American Forests 75 (May): 5.
- Cox, Mark. 1972. Considerations in Defining a Methodology for Calculating The Supply of Outdoor Recreation. Ontario Research Council on Leisure, 2 (November). 8
- Cullingworth, John Barry. 1964. Planning for Leisure. Urban Studies 1 (May): 1-25.
- Darden, D. W. 1971. Meeting Community Recreation Needs. Extension Service Review 42 (January): 10-11.
- Detroit Metropolitan Area Regional Planning Commission. 1960. Regional Recreation Lands Plan. Detroit, Michigan: The Commission.
- Dersch, E. 1973. The Formulation of an Outdoor Recreation Supply Function. New York Resources and Marine Sciences Center and Cornell University Agricultural Experiment Station Technical Report 65. National Technical Information Services publication PB-223-929.
- Ditton, R. B. 1972. The Social and Economic Significance of Recreation Activities in the Marine Environment. Green Bay: Wisconsin University Grant Program Technical Report 11.
- Dice, E. F. 1973. Impact of Leisure and Recreation Upon the Rural Community and the Rural Resident in Next 14 Years. Michigan Agricultural Experiment Station Research Report 191, (April): 10-14.
- Doell, Charles E. and Louis P. Twardzik. 1973. Elements of Park and Recreation Administration, 3rd ed. Minneapolis, Minnesota: Burgess Publishing Company.
- Driver, B. L., J. F. Wohlwill and D. H. Carson, eds. 1972. Potential Contributions of Psychology to Recreation Management, in Environment and the Social Sciences: Perspectives and Applications. Washington, D.C.: American Psychological Association. Pp. 232-248.
- Driver, L. ed. 1970. Elements of Outdoor Recreation Planning. Ann Arbor, Michigan: University Microfilms, Inc.
- Driver, Beverly L. and S. Ross Tocher. 1970. Toward a Behavioral Interpretation of Recreational Engagements with Implications for Planning, In B. L. Driver (ed.), Elements of Outdoor Recreation Planning. Ann Arbor, Michigan: University Microfilms, Inc.

- Economic Research Associates. 1969. Analysis of Tourism and Recreation Potential of Meramec Park Reservoir Region in Missouri. Los Angeles: National Technical Information Services publication PB 189-003.
- Egler, Frank. 1970. Ecology and Management of the Rural and Suburban Landscape. In Pierre Dansereau (ed.), Challenge for Survival. N.Y.: Columbia University Press. Pp. 81-102.
- Ellis, J. B. 1966. "Outdoor Recreation Planning in Michigan by a System Analysis Approach." Technical Report No. 1, State Resource Planning Program, Michigan Department of Commerce, Lansing.
- Ellis, M. J. 1970. The Rational Design of Playgrounds. Educational Product Information Exchange Report 3 (May-June, 1970): 3-6.
- Frayar, W. E. and D. B. Butts. 1974. Buss: Processing System for Records of Backpackers. Journal of Leisure Research 6 (Fall): 305-311.
- Fuller, C. G., J. W. Monroe. 1969. Recreation in Flux -- Needs and Aims. American Forests 75 (August): 20-23, 55-61.
- Gans, H. J. 1969. Planning for People Not Buildings. Environment and Planning 1 (1): 33-46.
- Goldin, Kenneth D. 1971. Recreational Parks and Beaches: Peak Demand, Gravity and Management. Journal of Leisure Research 3 (Spring): 81-107.
- Gooch, R. B. 1964. Planning for Recreation. Town and County Planning XXXII (12): 480-484.
- Hamill, Louis. 1968. The Process of Making Good Decisions About the Use of the Environment of Man. Natural Resources Journal 8 (April): 279-301.
- Haran, B. 1969. Review of the Problems of Recreation Provision in an Inner Area. Recreational Land Use, Planning and Forecasting. Proceedings of the Planning and Transport and Computation Company Ltd. Seminar, London (12-13 November): 7-9.
- Hendee, John C. and Archie Mills. 1968. Enchantment Wilderness: Management to Preserve Wilderness Values. In Brock Evans (ed.), The Living Wilderness. Washington, D. C.: The Wilderness Society.
- Hendrick, Paul and Associates. 1971. Impact of Recreation, Vacation and Travel on New Hampshire. State of New Hampshire, Office of State Planning.

- Hill, M. and S. Hehter. 1970. Optimal Goal Achievement in the Development of Outdoor Recreation Facilities. Working Papers C.U.R.S.W.P.I. Technion: Faculty of Architecture and Planning, Israel Institute of Technology.
- Hjelte, George and Jay Shivers. 1972. Public Administration of Recreational Services. Philadelphia: Lea and Feibiger.
- Hodgson, R. W. 1973. New Leisure Patterns to Revolutionize Rural Land Use by 1985. Michigan Agricultural Experiment Station Research Report 191, (April): 3-7.
- Hoinville, Gerald and R. Berthoud. March 1970. Value of Time: Development Planning Project, Report on Stage 3. London: Social and Community Planning Research.
- Hunt, J. D. 1969. Tourism Marketing versus Park Management. Trends in Parks and Recreation 6 (4): 17-20.
- Kelsey, John. 1969. Priorities and Conflicts. Official Architecture and Planning 32 (10): 1197-1212.
- Knopp, Timothy B. and John D. Tyger. 1973. A Study of Conflict in Recreational Land Use: Snowmobiling versus Ski-Touring. Journal of Leisure Research 5 (Summer): 6-17.
- Kraus, Richard. 1966. Recreation Today-Program Planning and Leadership. New York: Appleton-Century-Crofts.
- Kraus, R. G. and J. E. Curtis. 1973. Creative Administration in Recreation and Parks. St. Louis: C. V. Mosby.
- LaPage, W. F. 1970. The Mythology of Outdoor Recreation Planning. Southern Lumberman 221, 2752: 118-121.
- Lane, Carl L., W. D. Byrd, and Herbert Brantley. 1974. Evaluation of Recreational Sites. Journal of Leisure Research 6 (Summer).
- Law, S. 1969. Urban Provision - Open Space Provision and Policy in Greater London. Recreational Land Use, Planning and Forecasting. Proceedings of the Planning and Transport and Computation Company Ltd.
- Leicester, J. B. and J. G. Beaman. 1967. Data Matrix for Recreation Planning. Canadian Symposium of Recreation. Pp. 198-199.
- Lime, David W. 1972. Behavioral Research in Outdoor Recreation Management: An Example of How Visitors Select Campgrounds. In Joachim F. Wholwill and Daniel H. Carson (eds.), Environment and the Social Sciences: Perspectives and Applications. (Spring): 198-206.

- Lime, D. N. 1971. Carrying Capacity: Maintaining Outdoor Recreation Quality. Recreation Symposium Proceedings. North Eastern Forest Experiment Station. USDA Forest Service, Upper Darby, Pennsylvania.
- Lucas, R. C. 1966. The Contribution of Environmental Research to Wilderness Policy Decision. Journal of Social Issues 22: 116-126.
- Lucas, R. C. 1964. The Recreational Capacity of the Quetico-Superior Area. USDA Forest Service Research Paper LS-15, Lake States Forest Experiment Station, St. Paul, Minnesota.
- Mercer, D. C. 1970. Recreational Behavior and Regional Park Planning. Australian Parks 6 (4): 15-20.
- Murray, T., P. Roger, D. Sinton, C. Steinitz and R. Toth. 1971. Honey Hill: A Systems Analysis for Planning the Multiple Use of Controlled Water Areas. U. S. Department of Army Corps of Engineers Institute for Water Resources Report 71-79. Vols. I and II.
- National Association of Counties. 1968. Community Action Guide for Public Officials: Outdoor Rec. Vol. 10: Citizen Support. Washington: National Association of Counties.
- National Park Science. 1963. A Back Country Management Plan for Sequoia and Kings Canyon National Parks. National Park Service.
- National Recreation and Parks Association. 1970. National Park Recreation and Open Space Standards, R. D. Buechnew (ed.).
- Presidents' Water Resources Council. 1962. Policies, Standards, and Procedures in the Formulation, Evaluation, and Review of Plans for Use and Development of Water and Related Land Resources. Washington: U. S. Government Printing Office.
- Ritchie, J. R. Brent. 1973. Leisure - An Economic or Social Phenomenon; An Analysis of the Conflicts in Tourism and Recreation Policy Development, Working paper, Universite Laval.
- Rodney, Lynn S. 1964. Administration of Public Recreation. New York: The Ronald Press Company.
- Rodgers, Brian. 1969. Leisure and Recreation. Urban Studies 6 (3): 368-384.
- Runkle, Herbert M. and Thomas H. Perkins. 1971. Project 2000, A Planning Imperative. Water Resources Bulletin 7 (April): 348-354.

- Rupp, Craig W. 1970. Boundary Waters-Canoe Area Management. Naturalist 21 (Winter): 2-7.
- Saitta, William W. and Iran W. Schmedemann. 1972. New Dimensions in Park Management Through Linear Programming. Journal of Leisure Research (Fall): 333-340.
- Sapora, Allen V. 1966. Ascertaining Interests for Recreation Program Planning. Recreation Research. Washington, D. C.: AAHPER.
- Schlatter, J. 1972. Great Smokies Trails; The Back-packing Permit System. National Parks and Conservation (46): 13-17.
- Sessoms, H. D. 1964. New Bases for Recreation Planning. Journal of the American Institute of Planners 30: 26-33.
- Shivers, S. J. and G. Hfelte. 1971. Planning Recreational Places. Madison, Wisconsin: Farleigh Dickinson University Press.
- Sillitoe, K. K. 1969. Planning for Leisure. London: Her Majesty's Printing Office.
- Stankey, G. H. 1971. Myths in Wilderness Decision-Making. Journal of Soil and Water Conservation 26 (September-October): 183-188.
- Stankey, George H. 1971. The Perception of Wilderness Recreation Carrying Capacity: A Geographic Study in National Resources Management. Michigan State University, unpublished Ph.D. dissertation.
- Stong, H. L. and K. E. Duke. 1972. The Need for and Implementation of a Fee, Charge, and Reservation System for Washington State Parks. Stanford Research Institute. Menlo Park, California.
- Strong, W. S. 1971. The Use of Market Segmentation in Planning for a Recreation-Based Economy. Madison: University of Wisconsin, T-Grant Program Technical Report 5.
- U. S. Ad Hoc Water Resources Council. Policies Standards and Procedures in the Formulation, Evaluation, and Review of Plans for Use and Development of Water and Related Land Resources. Supplement No. 1. Evaluation Standards for Primary Outdoor Recreation Benefits. Washington, D.C., June 4, 1964.
- U. S. Department of the Army. Recreation Facilities Criteria for Design and Construction: Civil Works Projects, ENGOW-OM, ER113--2-312 30 November 1967.

- U. S. Department of the Army. Recreation Facility Design Criteria. ENG CW-PV (28 November 1967).
- U. S. Outdoor Recreation Resources Review Commission. 1962. Potential New Sites for Outdoor Recreation in the Northeast. ORRRC Study Report 8. Washington: U. S. Government Printing Office.
- U. S. Outdoor Recreation Resources Review Commission. 1962. Projection to the Years 1976 and 2000: Economic Growth, Population, Labor Force and Leisure, and Transportation. ORRRC Study Report 23. Washington: U. S. Government Printing Office.
- Veal, A. J. 1970. A Strategy for the Provision of Recreational Facilities. In T. L. Burton (ed.), Experiments in Recreation Research. London: George Allen and Unwin Ltd. Pp. 307-344.
- Vitomir, Ahtik. 1960. The Social Planning of Leisure. International Social Science Journal 12 (October): 575-582.
- Wager, J. Alan. 1964. The Carrying Capacity of Wildlands for Recreation. Forest Science Monography, Number 7. U. S. Forest Service, Inter-mountain Forest and Range Experiment Station, Logan, Utah.
- Wenger, Wiley D., Jr. 1964. A Test of Unmanned Registration Stations on Wilderness Trails: Factors Influencing Effectiveness. USDA Forest Service Research Paper PNW-16. Pacific Northwest Forest and Range Experiment Station, Portland, Oregon.
- Wennergren, E. Boyd and Herbert H. Fullerton. 1972. Estimating Quality and Location Values of Recreational Resources. Journal of Leisure Research 4 (Summer): 170-183.
- Westgate, Richard S. 1967. Citizen's Participation in Recreation Programs Mimeographed, Philadelphia.
- White, G. K. and W. C. Thomas. 1973. A Method for Establishing Outdoor Recreation Project Priorities in Alaska. Fairbanks, Alaska: University of Alaska Institute of Agricultural Sciences.



7. Profiles of Leisure and Recreation Behavior

The social science reporting of leisure research falls mostly in this classification. Observations of people in a leisure setting and the social characteristics of those who participate in various recreational activities are included here. Many different factors affecting leisure behavior are explored and can conceivably be used to predict what people want and will do in their free time. Similar articles on related issues are found in Section 15, "Leisure Values and Attitudes."

Aaron, D. and Winawer, B. P. 1965. Child's Play. New York: Harper & Row.

Amatora, Sister Mary. 1959. Analysis of Certain Recreational Interests and Activities and Other Variables in the Large Family. Journal of Social Psychology 50: 225-231.

Angrist, Shirley S. 1967. Role Constellation as a Variable in Women's Leisure Activities. Social Forces 45 (March): 423-431.

Baley, James Anton. 1958. Recreation and the Aging Process. Dissertation Abstracts 18 (February): 485-489.

Bangs, H. P. and S. Mahler. 1970. Users of Local Parks. Journal of the American Institute of Planners 36 (September): 330-334.

Beck, Bertram and Deborah Beck. 1967. Recreation and Delinquency in Task Force on Juvenile Delinquency, The President's Commission on Law Enforcement and the Administration of Justice. Task Force Report: Juvenile Delinquency and Youth Crime. Washington. 331-352.

Bevins, Malcolm I., Robert S. Bond, Thomas J. Corcoran, Kenneth D. McIntosh, and Richard J. McNeil. 1968. Characteristics of Hunters and Fishermen in Six Northeastern States. Burlington: Vermont Agricultural Experiment Station Bulletin No. 656.

Bishop, Doyle W. 1970. Stability of the Factor Structure of Leisure Behavior: Analysis of Four Communities. Journal of Leisure Research 2 (Summer): 160-170.

Bollman, Stephen R., Nancy C. Elliott, and Virginia M. Moxley. 1974. Non-Work Activities of Families with Children. Journal of Leisure Research 6 (Summer).

- Bond, Robert S. and Gerald J. Quellette. 1968. Characteristics of Campers in Massachusetts. Amherst: Massachusetts Agricultural Experiment Station and the Massachusetts Cooperative Extension Service, Bulletin No. 572.
- Borhegyi, Stephen F. (ed.). 1968. The Museum Visitor. Milwaukee: Milwaukee Public Museum.
- Born, J. J. 1971. An Analysis of the User Rates of and Preferences for the Water-Based Recreation Resources at Lake MacBride State Park in the Summer of 1970. Iowa City: Iowa University, Recreation Education Program, unpublished M.A. thesis.
- Brewer D. and G. A. Gillespie. 1969. Socioeconomic Factors Affecting Participation in Water-Oriented Outdoor Recreation. USDA Economic Research Service, ERS-403.
- Bright, Frederick Lewis. 1962. Usage of Playground Equipment on Selected Recreation Sites in the City of Philadelphia. University Park, Pennsylvania: The Pennsylvania State University, unpublished masters thesis.
- Brooks, J.B. and Elliot, D. M. 1971. Prediction of Psychological Adjustment at Age Thirty From Leisure Time Activity Satisfaction in Childhood. Human Development 14 (1): 51-61.
- Brown, T. L. and L. C. Merriam, Jr. 1970. A Comparative Study of Twin Cities State and City Park Users with Emphasis on State Park Campers. Minnesota Forestry Research Note #213, University of Minnesota.
- British Travel Association. 1969. Patterns in British Holiday-making 1951-1968.
- Brown, Perry J. and John D. Hunt. 1969. The Influence of Information Signs on Visitor Distribution and Use. Journal of Leisure Research 1 (Winter): 79-84.
- Buhler, Charlotte. 1961. Meaningful Living in the Mature Years. In Robert W. Kleemeier (ed.), Aging and Leisure. New York: Oxford University Press, Pp. 345-387.
- Bultena, Gordon, and Vivian Wood. 1970. Leisure Orientation and Recreation Activities of Retirement Community Residents. Journal of Leisure Research 2 (Winter): 3-15.
- Burch, William R., Jr. 1969. The Social Circles of Camping: Competing Explanations. Journal of Leisure Research 1 (Spring): 125-147.

- Burch, William R., Jr. 1969. The Social Circles of Camping: Competing Explanations. Journal of Leisure Research 1 (Spring): 125-147.
- Burch, William R. 1966. Wilderness - the Life Cycle and Forest Recreational Choice. Journal of Forestry 64 (9): 606-610.
- Burch, William R., and Wiley D. Wenger, Jr. 1967. The Social Characteristics of Participants in Three Styles of Camping. U. S. Forest Service Research Paper PNW-48.
- Burdge, Rabal J. 1969. "Selected Social Determinant of Leisure Activity." Paper presented to the Kentucky Academy of Science, Murray, Kentucky, October 25.
- Burdge, Rabal J. 1967. Outdoor Recreation Studies in Vacations and Weekend Trips. Agriculture Economics and Rural Sociology
- Burton, T. C. 1970. Current Trends in Recreation Demands. In T. C. Burton (ed.), Recreation Research and Planning. Urban and Regional Studies No. 1. London: University of Birmingham.
- Burton, Thomas L. 1967. A Day in the Country: A Survey of Leisure Activity at Box Hill in Surrey. Chartered Surveyor 98 (7): 373-380.
- Cameron, Duncan and David S. Abbey. 1962. Museum Audience Research: The Effect of an Admission Fee. Museum News 41 (November): 25-28.
- Canadian Government Travel Bureau. 1973. A Market Segmentation Study of U. S. Vacation Travellers. Ottawa, June.
- Carter, M. P. 1973. Education, Employment, and Leisure: A Study of "Outdoors" Young People. New York: MacMillan.
- Cavan, Sheri. 1966. Liquor License: An Ethnography of Bar Behavior. Chicago: Aldine Publishing Company.
- Cheung, H. K. 1972. A Day-Use Visitation Model. Journal of Leisure Research 4 (Spring): 139-156.
- Check, Neil H., Jr. 1971. Intragroup Social Structure and Social Solidarity in Park Settings. Paper presented at the AAAS General Science Symposium, Research in National Parks.
- Clark, Roger N., Robert L. Burgess and John C. Hendee. 1972. The Development of Anti-Litter Behavior in Forest Campground. Journal of Applied Behavior Analysis 5 (Spring): 143-159.

- Clark, Roger N., John C. Hendee, and F. L. Campbell. 1971. Values, Behavior, and Conflict in Modern Camping Culture. Journal of Leisure Research 3 (3): 143-159.
- Cracknell, B. 1967. Accessibility to the Countryside as a Factor in Planning for Leisure, Regional Studies 1 (2): 147-161.
- Crichton, James E., and J. Wakeford. 1962. Youth and Leisure in Cardiff, 1960. The Sociological Review 10 (July): 203-220.
- de Grazia, Sebastian. 1961. The Uses of Time. In Robert W. Kleemeier (ed.), Aging and Leisure: A Research Perspective Into the Meaningful Use of Time. New York: Oxford University Press. Pp. 113-154.
- Ditton, R. B. and Goodale T. L. 1972. Recreational Uses of Green Bay: Bay/Non-Bay Users Compared. Green Bay: Proceedings of the 5th Conference Great Lakes Research, 729-736.
- Dooling, Peter J. 1968. Recreation Visitation Analysis: A Behavioristic Model Approach. Denver, Colorado. Department of the Interior. Bureau of Land Management.
- Dowell, Linus L. 1959. Indoor Recreation Games of Freshmen and Sophomore College Men. Columbia, Missouri: University of Missouri, unpublished Ph. D. dissertation.
- Duffell, J. R. and G. R. Goodall. 1968. Leisure in Town and County. Surveyor and Municipal Engineer 3945. (January): 32-37.
- Environmental Design Research Association Conference, Mellon Institute. 1970. Perception and Use of Urban Beaches. Pittsburgh, Pennsylvania.
- Farm Policy Forum. 1965-66. Rural Recreation. Ames, Iowa: University of Iowa Press.
- Field, D. R. 1973. Sociological Dimensions of Leisure Involvement in Water-Based Recreation. National Technical Information Service Publication PB-223-349.
- Fine, I. V., and E. E. Werner. 1960. Camping in State Parks and Forests in Wisconsin. Madison: University of Wisconsin School of Commerce, Bureau of Business Research and Service. Wisconsin Vacation-Recreation Papers I: 3.
- Fish, George. 1963. Leisure Spending Behavior. Philadelphia: University of Pennsylvania.

- Fletcher, Raymond L. 1973. Selected Personality Characteristics and Activity Participation of Male College Freshmen. College Station Texas: Texas A & M University, unpublished Ph. D. dissertation.
- Folkman, W. S. 1963. Levels and Sources of Forest Fire Prevention Knowledge of California Hunters. Berkeley, California: Pacific Southwest Forest and Range Experiment Station, Forest Service Research Paper PSW-11, U. S. Department of Agriculture.
- Francis, J. G. 1971. Recreational Socialization: Factors Related to Participation in Outdoor Recreation. Ames, Iowa: Iowa State University, unpublished M. A. thesis.
- Fraser, T. M. 1968. Leisure and Recreation in Long Duration Space Missions. Human Factors 10 (October): 483-488.
- Garrett, J. R. 1970. Characteristics of Nevada Hunters. Reno, Nevada: Agriculture Experiment Station, Bulletin No. 22, University of Nevada.
- Gerson, Walter. 1960. Leisure and Mental Satisfaction of College Married Couples. Marriage and Family Living 22 (November): 360-361.
- Gibson, L. J. and R. W. Reeves. 1972. The Spatial Behavior of Camping America. Rocky Mountain Social Science Journal 9 (April): 19-30.
- Gillespie, G. A. and D. Brewer. 1968. Effects of Non-price Variables Upon Participation in Water-Oriented Outdoor Recreation. American Journal of Agricultural Economics 50 (February): 82-90.
- Gilmore, J. B. 1966. The Role of Anxiety and Cognitive Factors in Children's Play Behavior. Child Development 2 (39): 397-416.
- Gold, S. M. 1971. Nonuse of Public Parks. Park and Recreation Administrators Institute. Asilomar, California: University of California Extension, Davis.
- Goodale, T. L. 1965. An Analysis of Leisure Behavior and Attitudes in Selected Minneapolis Census Tracts. Champaign-Urbana, Illinois: University of Illinois, unpublished Ph. D. dissertation.
- Gordon, C. W., and Babchuk, N. 1959. A Topology of Voluntary Associations. American Sociological Review 24 (February): 22-29.

- Gordon, Chad, and Judith, Scott, Charles Baitz, Catherine Cyrus, and Lutz. undated. Leisure Activities and Mental Health, With Some Sex Role and Life Cycle Considerations. Houston: Unpublished Manuscript.
- Graham, Saxon. 1959. Social Correlates of Adult Leisure-Time Behavior. In M. B. Sussman (ed.), Community Structure and Analysis. New York: Thomas Y. Crowell. Pp. 331-354.
- Gramza, Anthony F., Jerrold Corush, and Michael J. Ellis. 1972. Children's Play on Trestles Differing in Complexity: A Study of Play Equipment Design. Journal of Leisure Research (Fall): 303-311.
- Green, Bernal L. 1966. Factors Affecting Participation in Selected Outdoor Recreation Activities. Lafayette, Indiana: Purdue University, unpublished Ph.D. dissertation.
- Green, Bernal L. and H. A. Wadsworth. 1966. "Campers - - What Affects Participation and What Do They Want?" Purdue University Research Bulletin No. 823.
- Greenberg, Bradley S. and Hideya Kumata. 1968. National Sample Predictors of Mass Media Use. Journalism Quarterly 45 (Winter): 641-646.
- Guedry, L. J. and H. H. Stoevner. 1970. The Role of Selected Population and Site Characteristics in the Demand for Forest Recreation, Reno, Nevada: Report No. 2 of the Cooperative Regional Research Technical Committee for Project No. WM-59.
- Gurevitch, M. and G. Schwartz. 1971. Television and Sabbath Culture in Israel. Jewish Journal of Sociology XIII: 65-72.
- Harrison, Gordon S. 1974. People in the Parks: Reactions to a System of Public Transportation in Mt. McKinley National Park. Journal of Leisure Research 6 (Summer).
- Hartlage, L. C. 1969. The Scientific Management of Leisure Time. Journal of Clinical Psychology 25: 226-228.
- Haughen, Arnold O. and Arnold J. Sohn. 1968. Competitive Recreational Uses of Selected Iowa Lakes. Ames: Iowat State Water Resources Research Institute, Completion Report. National Technical Information Service publication PB 194-800.
- Hauser, Philip M. 1962. Demographic and Ecological Changes as Factors in Outdoor Recreation. In Outdoor Recreation Resources Review Commission Study Report No. 22. Washington, D.C.: Government Printing Office. Pp. 27-59.
- Hausknecht, M. 1961. The Joiners; A Sociological Description of Voluntary Association Membership in the United States. New York: The Free Press of Glencoe, Inc.

- Havighurst, Robert J. 1957. The Leisure Activities of the Middle-Aged. American Journal of Sociology 62: 152-162.
- Havighurst, Robert J. and Kenneth Geigenbaum. 1959. Leisure and Life Style. American Journal of Sociology 64 (January): 396-404.
- Hawkins, Donald C. 1967. Trends at a Glance. Parks and Recreation 2 (July): 214.
- Heberlein, T. A. 1971. Moral Norms, Threatened Sanctions, and Littering Behavior. University of Wisconsin, unpublished Ph.D. dissertation.
- Hecock, R. D. 1972. Recreational Opportunities and Community Patterns of Non-Participation in Water-Based Recreation in Oklahoma. Rocky Mountain Social Science Journal 9 (April): 11-17.
- Hecock, R. D. 1970. Recreation Behavior Patterns as Related to Site Characteristics of Beaches. Journal of Leisure Research (Fall): 237-250.
- Hecock, R. D. and J. F. Rooney, Jr. 1972. The Impact of a Major New Reservoir Upon Recreation Behavior. Stillwater: Oklahoma Water Resources Research Institute - National Technical Information Service publication PB 214-480.
- Hendee, J. C. 1969. Appreciative Versus Consumptive Uses of Wildlife Refuges: Studies of Who Gets What and Trends in Use. Transactions of the Thirty-Fourth North American Wildlife and Natural Resources Conference, 252-264.
- Hendee, John C. 1969. Rural-Urban Differences Reflected in Outdoor Recreation Participation. Journal of Leisure Research 1 (Autumn):
- Hendee, J. C., W. R. Catton Jr., L. D. Marlow, and C. F. Brockman. 1968. Wilderness Users in the Pacific Northwest - Their Characteristics, Values, and Management Preferences. Portland Oregon: Pacific Northwest Forest and Range Experiment Station. USDA Forest Service Research Paper. PNW-61.
- Hendricks, Jon A. 1973. Leisure in the Soviet Union: An Impressionistic Account. Journal of Leisure Research 5 (Fall): 54-57.
- Hoar, Jere. 1961. A Study of Free Time Activities of 200 Aged Persons. Sociology and Social Research 45 (January): 157-163.
- Holmes, Jimmy A. 1966. Tourist and Recreation Facility Survey of Nine Counties in Southeastern Kentucky. Unpublished manuscript. London, Kentucky: Wilderness Trail Cooperative Extension Service.

- Hutchins, H. C., and E. W. Trecker, Jr. 1961. The State Park Visitor-- a Report of the Wisconsin Park and Forest Travel Study. Madison: Technical Bulletin Number 22. Wisconsin Conservation Department. Pp. 82.
- Hutt, C. 1966. Exploration and Play in Children. Symposium of the Zoological Society of London 18: 61-81.
- Hyman, H. H. and C. R. Wright. 1971. Trends in Voluntary Association Memberships of American Adults: Replication Based on Secondary Analysis of National Sample Surveys. American Sociological Review 36 (April): 191-206.
- International Recreation Association. 1964. Global View of Recreation: The World Recreation Congress. October 2-7, 1964. New York.
- James, G. A. et al. 1969. Small Game Hunting Our Western North Carolina Wildlife Management Areas: Part I Characteristics of Hunters. Wildlife in North Carolina 33 (10): 8-10.
- James, George A. et al. 1972. Origin of Visitors to Developed Recreational Sites on National Forests. Journal of Leisure Research 4 (Spring): 108-118.
- James, G. A., and H. K. Cordell. 1970. Importance of Shading to Visitors Selecting a Campsite at Indian Boundary Campground in Tennessee. USDA, Forest Service Research Note SE-130.
- Jephcott, P. 1967. Time of One's Own: Leisure and Young People. Edinburgh: Oliver and Boyd.
- Johnson, Hugh A. 1963. Rural Residential Recreation: Subdivisions Serving the Washington, D.C. Area. Agricultural Economic Report No. 59. Washington: U. S. Department of Agriculture, Economics Research Service.
- Johnston, Warren E. and Gary H. Elsner. 1972. Variability in Use Among Ski Areas: A Statistical Study of the California Market Region. Journal of Leisure Research 4: 43-49.
- Kelly, John R. 1974. Socialization Toward Leisure: A Developmental Approach. Journal of Leisure Research 6 (Spring).
- Kelly, John R. 1973. Leisure Activities in Social Context (mimeographed).
- Klauzner, Willaim J. 1969. Extended Leisure and the Family. In Roy Dull (ed.), Educating for the New Leisure. Conference Proceedings University of California at Riverside, February 2-5 Pp. 21-44.
- Kleemeier, Robert W. (ed.). 1961. Aging and Leisure: A Research Perspective into the Meaningful Use of Time. New York, NY: Oxford University Press.



- Kline, Gerald F. 1971. Media Time Budgeting as a Function of Demographics and Life Style. Journalism Quarterly 48 (Summer): 211-221.
- Lamphear, S. C. 1970. Personality and Recreation: Study of Participant Behavior in Selected Outdoor Recreation Activities. Dissertation Abstract International 30 12B: 5314.
- LaPage, W. F. 1972. The Impulse Camper. U. S. Forest Service, Northeastern Forest Experiment Station, Research Note. Upper Darby, Pennsylvania.
- LaPage, Wilbur F. 1968. The Role of Fees in Camper's Decisions. Forest Service Research paper WE-118, Upper Darby, Pennsylvania.
- LaPage, W. F. and D. P. Ragin. 1974. Family Camping Trends - An 8-Year Panel Study. Journal of Leisure Research 6 (Spring).
- LaPage, Wilbur F. and Dale P. Ragin. 1971. Trends in Camping Participation, USDA Forest Service Research Paper NE-183. Northeastern Forest Experiment Station, Upper Darby, Pennsylvania.
- Lentnek, Barry, Carlton S. Van Doren, and James R. Trail. 1969. Spatial Behavior in Recreational Boating. Journal of Leisure Research 1 (Spring): 103-124.
- Lime, David W. 1971. Factors Influencing Campground Use in the Superior Natural Forest of Minnesota. St. Paul: USDA Forest Service, North Central Forest Experiment Station.
- Linford, A. G., C. Y. Jeanrenaud, K. Karlson, P. Witt, and M. D. Linford. 1971. A Computerized Analysis of Characteristics of Dow's Syndrome and Normal Children's Free Play Patterns. Journal of Leisure Research 3 (Winter): 44-52.
- Lopata, Helena Znaniacki, and Joseph R. Noel. 1967. The Dance Studio -- Style Without Sex. Trans-Action 4 (January-February): 10-17.
- Lucas, R. C. 1964. Recreational Use of the Quetico-Superior Area. USDA Forest Service Research Paper LS-8, Lake States Forest Experiment Station, St. Paul, Minnesota.
- Maccoby, Michael, Nancy Modiano, and Patricia Lander. 1964. Games and Social Character in a Mexican Village. Psychiatry 27 (May): 15-162.
- Marans, Robert W. 1971. Determinants of Outdoor Recreation Behavior in Planned Residential Environments. The University of Michigan, unpublished Ph.D. dissertation.

- Martens, Rainer. 1971. The Influence of Success and Residential Affiliation on Participation Motivation. Journal of Leisure Research 3 (Winter): 53-58.
- Martin, E. M. 1966. Characteristics of Waterfowl Hunters: Activity Categories for the 1965 Season. Laurel, Maryland: Migratory Bird Populations Station, Administrative Report No. 126, Bureau of Sport Fisheries and Wildlife.
- Massachusetts Department of Commerce and Development. 1967. Inventory and Analysis of Recreation, Tourism and Vacationing in Eastern Massachusetts. Northeastern University.
- Mayntz, Renate. 1960. Leisure, Social Participation and Political Activity. International Social Science Journal 12 (October): 561-574.
- McCoy, E. W. and J. R. Box. 1971. Factors Affecting Visitation to Lake Martin Outdoor Recreation Sites. Auburn University Agricultural Experiment Circular 181, Auburn, Alabama.
- Mercer, David. 1971. The Role of Perception in the Recreation Experience: A Review and Discussion. Journal of Leisure Research 3 (Fall): 261-276.
- Merriam, L. J., Jr. and R. B. Ammons. 1967. The Wilderness User in Three Montana Areas. University of Minnesota, School of Forestry.
- Meyers, Paul B. 1970. Social Status and Individualism in the Selections of Leisure Activities. Lexington: University of Kentucky, unpublished M.A. thesis.
- Meyersohn, Rolf. 1968. Television and the Rest of Leisure. Public Opinion Quarterly 32 (Spring): 102-112.
- Meyersohn, R. B. 1968. Leisure and TV: A Study in Compatibility. Dissertation Abstracts 25 (2): 226-228.
- Mitchell, B. 1971. Behavioral Aspects of Water Management: A Paradigm and a Case Study. Environment and Behavior 3 (June): 135-153.
- Moss, W. T. 1966. Forest Recreation: A Profile. Georgia Forest Research Paper 41. Macon: Georgia Forest Research Council.
- Mueller, Eva, and Gerald Gurin. 1962. Participation in Outdoor Recreation: Factors Affecting Demand Among American Adults. Report Number 20 of the Outdoor Recreation Resources Review Commission. Washington, D.C.: U. S. Government Printing Office.

- National Tourism Resources Review Commission. June, 1973. Destination USA, Washington: U. S. Government Printing Office.
- Nelson, Irene J. 1972. Recreation Patterns in Youth Camps in Florida and Alabama. Journal of Leisure Research (Fall): 284-292.
- Neulinger, John. 1971. Leisure and Mental Health: A Study in a Program of Leisure Research. Pacific Sociological Review 14 (July): 288-300.
- Neumann, E. 1971. The Elements of Play. Urbana, Illinois: University of Illinois, unpublished Ph.D. dissertation.
- Nieves, Alvar L., and Rabel J. Burdge. 1971. Black-White Differences in the Use of Leisure. Paper presented at the annual Meeting of the Southern Sociological Society, Miami Beach (May).
- Ostergaard, P. 1972. Some Dimensions of Interprovincial Tourist Flows. Unpublished Report prepared by the Research Office, Canadian Government Travel Bureau, Department of Geography, Queen's University.
- Outdoor Recreation Resources Review Commission. 1962. Participation in Outdoor Recreation: Factors Affecting Demand Among American Adults. Study Report 20, Washington, D. C.: Government Printing Office.
- Owens, G. P. 1970. Outdoor Recreation: Participation, Characteristics of Users, Distances Traveled, and Expenditures. Ohio Agriculture Research Development Center Research Bulletin No. 1033. Wooster, Ohio: Ohio Research and Development Center.
- Pankey, Victor and Warren E. Johnston. 1969. Analysis of Recreational Use of Selected Reservoirs in California. Sacramento: Army Engineering District Contact DAC-05-67-C-0036. National Technical Information Service publication AD-701-949. Davis: University of California.
- Peterle, T. J. 1967. Characteristics of Some Ohio Hunters. Journal of Wildlife Management 2 (31): 375-389.
- Peters, Martha L. 1969. Music Sensitivity: A Comparison of Mongoloid and Normal Children. Journal of Leisure Research 1 (Autumn): 289-295.
- Pickering, W. 1968. Religion: A Leisure Time Pursuit, In D. A. Martin (ed.), A Sociological Yearbook of Religion in Britain, S.C.M.P.

- Pilot National Recreation Survey (Report No. 1). 1967. British Travel Association - University of Keele.
- Plath, David W. 1964. The After Hours: Modern Japan and the Search for Enjoyment. Berkeley: University of California Press.
- Proctor, C. 1962. Dependence of Recreation Participation on Background Characteristics of Sample Persons in the September, 1960 National Recreational Survey. Appendix A to O.R.R.R.C. Study Report 19. Washington, D. C. U. S. Government Printing Office. Pp. 77-79.
- Prudenski, L. A. 1962. The Concept of Leisure in the USSR. Industrial Relations 2 (October): 97-100.
- Raucek, Joseph S. 1957. A Sociological Comment on The Box-Camera Fan. Southwestern Social Science Quarterly 38 (June): 51-54.
- Recreation Subcommittee, Columbia Basin Inter-Agency Committee. 1964. Recreation Survey of the Pacific Northwest Region. Part 2: Recreation Report. Portland, Oregon.
- Roberts and R. Kozelka. 1963. Game Involvement in Adults. Journal of Social Psychology 60: 15-39.
- Robinson, John P. 1969. Television and Leisure Time: Yesterday, Today, and (Maybe) Tomorrow. Public Opinion Quarterly 33 (Summer): 210-222.
- Rodgers, Brian. 1967. The Weekend Life. New Society 251: 78-79.
- Romsa, Gerald H. 1973. A Method of Deriving Recreational Activity Packages. Journal of Leisure Research 5 (Fall): 34-36.
- Ross, J. P. 1969. Selected Early Life Experiences and Social Factors as Related to Leisure Activity Choices of College Freshmen. Dissertation Abstract International 30, 6-A: 2368.
- Rothe, Mary Lou and Christine Newardk. May, 1958. "Homemakers in Voluntary Community Activities," Marriage and Family Living 20: 175-178.
- Samuelson, Merrill, Richard F. Carter, and Lee Ruggels. 1963. Education, Available Time and the Use of Mass Media. Journalism Quarterly 40 (Autumn): 491-496.
- Scheuch, Erwin K. 1960. Family Cohesion in Leisure Time, Sociological Review 8 (July): 37-61.

- Schmidt, J. F. 1961. Basic Tables for the Study of Leisure Time Activity - Interest Types in 73,000 Teenage Youth in the Washington Metropolitan Region and in Flint, Michigan: A Research Study. College Park, Maryland Department of Sociology, University of Maryland.
- Schuster, John Robert. 1964. A Study of the Effects of Social Stratification Upon Leisure Activities of Junior High School Students in a Selected Albuquerque Area. Albuquerque, New Mexico: The University of New Mexico, unpublished M.A. thesis.
- Sendak, P. E. and Bond, R. S. 1970. A Consumer Analysis of Licensed Hunters and Fishermen in Massachusetts. Amherst: Agricultural Experiment Station, Bulletin No. 583, University of Massachusetts.
- Seneca, J. J., Davidson, P., and Adams, F. G. 1968. An Analysis of Recreational Use of the TVA Lakes. Land Economics 44: 529-534.
- Sessoms, H. Douglas. 1963. An Analysis of Selected Variables Affecting Outdoor Recreation Patterns. Social Forces 42 (1): 112-115.
- Sessoms, H. Douglas and Sidney R. Oakley. 1969. Recreation, Leisure and the Alcoholic. Journal of Leisure Research 1 (Winter): 21-32.
- Shabman, L. A. 1970. The Effects on Personal Income Distribution of New York State Administered Expenditures of Outdoor Recreation. Ithaca, New York: Cornell University, unpublished M.A. thesis.
- Shafer, Elwood L., Jr. 1965. Socioeconomic Characteristics of Adirondack Campers. Journal of Forestry 63 (September): 690-694.
- Shafer, W. E. and R. A. Rehberg. 1970. Athletic Participation, College Aspirations and College Encouragement. Pacific Sociological Review 13: 182-186.
- Sherwood, G. 1970. Characteristics of North Dakota Goose Hunters. North Dakota Outdoors 33 (3): 8-11.
- Simmons, T. 1971. Social Class of Participants in a Little League Baseball Program in a Rural Community. Unpublished Master's Thesis, University of Wyoming.
- Smith, Leslie. 1963. The Gambling Boom. New Society 1 (January): 12-14.
- Spaulding, Irving A. 1970. Selected Rhode Island Sport Fisherman and Their Fishing Activity. University of Rhode Island Experiment Station Bulletin No. 403.

- Stencil, Charles Taylor. 1957. Participation Areas and Interest Areas in the Recreation of College Students with Diverse Curriculums. Dissertation Abstracts 17 (December): 2914.
- Stein, T. A. and H. D. Sessoms. 1973. Recreation and Special Populations. Boston: Holbrook Press, Inc.
- Stellwagen, A. 1971. Distance and the Demand for Recreation, Western Washington State College, mimeographed.
- Stone, C. L. 1963. Family Recreation -- A Parental Dilemma. The Family Life Coordinator 12: 85-87.
- Stuts, Frederick P. 1973. Intra-Urban Social Visiting and Leisure Behavior. Journal of Leisure Research 5 (Winter): 6-15.
- Taves, M. W. Hathaway, and G. Bultena. 1960. Canoe Country Vacationers. Minnesota Agricultural Experiment Station. Misc. Rept. 39.
- Tunstall, J. 1962. The Fishermen. London: MacGibbon and Kee.
- Tyre, Garry L. and George A. James. 1971. Length and Rate of Individual Participation in Various Activities on Recreation Sites and Areas. SE Forest Experiment Station, USDA Forest Service Research Note SE-161.
- Vernon, Janet T. 1973. Differences in Structured Leisure Behavior of Blacks and Whites Unpublished manuscript thesis, Department of HPER, University of Kentucky, Lexington.
- Wald, Kenneth D. 1971. 1970 Minnesota State Park and Forest Camper Study. Unpublished MS Plan B. paper. College of Forestry, University of Minnesota.
- Washington State Parks and Recreation Commission. 1965. User Survey of Washington State Parks. Unpublished paper. Olympia, Washington.
- Wennergren, E. Boyd. 1967. Demand Estimates and Resource Values for Resident Deer Hunting in Utah. Logan, Utah: Utah Agricultural Experiment Station Bulletin No. 469.
- West, Patrick C. and L. C. Merriam, Jr. 1970. Outdoor Recreation and Family Cohesiveness: A Research Approach. Journal of Leisure Research 2 (4): 251-259.
- West, Patrick and L. C. Merriam, Jr. 1969. Camping and Cohesiveness: A Sociological Study of the Effect of Outdoor Recreation on Family Solidarity. Minnesota Forestry Research Notes No. 201.

- Williams, A. M. 1962. Recreation in the Senior Years. New York: Associated Press.
- Wippler, Reinhard. 1970. Leisure Behavior: A Multivariate Approach. Sociologica Neerlandica 1 (November 1, 1970): 51-67.
- Wippler, Reinhard. 1968. Social Determinants of Leisure Behavior: Summary. Assen: Van Gorcum and Company.
- Witt, P. A. 1971. Factor Structure of Leisure Behavior for High School Age Youth in Three Communities. Journal of Leisure Research 2 (4): 213-219.
- Witt, Peter A., and Bishop, Doyle W. 1970. Situational Antecedents to Leisure Behavior. Journal of Leisure Research 2 (Winter): 64-77.
- Witt, P. A. and Gramza, A. F. 1970. Position Effects in Play Equipment Preferences of Nursery School Children. Perceptual and Motor Skills 31(October): 431-443.
- Wolfe, Roy I. 1965. About Cottages and Cottagers. Landscape 15 (1): 6-8.
- Wright, Charles R. and Herbert H. Hyman. 1958. Voluntary Association Memberships of American Adults: Evidence From National Sample Surveys. American Sociological Review 23 (June): 284-294, 318.
- Wright, J. D. and W. H. Bondurant. 1970. Some Factors Influencing Family Expenditures for Outdoor Recreation. Canadian Journal of Agricultural Economics 18 (July): 35-40.
- Yoesting, Dean R. and Dan L. Burkhead. 1973. Significance of Childhood Recreation Experience on Adult Leisure Behavior: An Exploratory Analysis. Journal of Leisure Research 5 (Winter): 25-36.
- Yoesting, Dean R. and Dan L. Burkhead. 1971. Sociological Aspects of Water-Based Recreation in Iowa. Ames: Iowa State University Department of Sociology. Water Resources Research Institute Report ISW-RR-139.
- Young, T. R. 1964. Recreation and Family Stress: An Essay in Institutional Conflicts. Journal of Marriage and the Family 26 (February): 95-96.
- Zideman, Adrian. 1966. Leisure Activities of Jewish Teenagers in London. Jewish Journal of Sociology 8 (December): 240-264.
- Zurcher, Louis A., Jr. 1970. The Friendly Poker Game: A Study of the Ephemeral Role Social Forces 49 (December): 173-186.

## 8. Resource Based Outdoor Recreation

Outdoor recreation behavior, studies of park use, characteristics of people who use public facilities, and why their attitudes toward outdoor recreation and towards the outdoor areas are reported in this section. Wilderness behavior, attitudes and use patterns also constitute a large portion of the listed references.

- Bechter, Dan M. 1970. Outdoor Recreation. Monthly Review. Federal Reserve Bank of Kansas City, (November).
- Bevins, Malcolm I. 1964. The Outdoor Recreation Industry in Vermont. Vermont Resources Research Center Report 3. Burlington: University of Vermont.
- Brockman, C. Frank and Lawrence C. Merriam, Jr. 1973. (2nd edition). Recreational Use of Wildlands. New York: McGraw Hill.
- Bultena G. L. and M. J. Taves. 1961. Changing Wilderness Images and Forestry Policy. Journal of Forestry 59: 167-171.
- Burby, R. J. 1971. Household Decision Processes in the Purchase and Use of Reservoir Recreation Land. Chapel Hill: North Carolina, University Water Resources Research Institute Report 51. National Technical Information Services Publication PB 201-749.
- Burby, Raymond J., III. 1971. A Quantitative Analysis of Factors Influencing Residential Location in Reservoir Recreation Areas. Journal of Leisure Research 3 (Spring): 69-80.
- Burby, R. J. and S. F. Weiss. 1971. Community Problems in Reservoir Recreation Areas. Research Reviews 18: 1-31.
- Burch, William R., Jr. 1966. Wilderness - The Life Cycle and Forest Recreational Choice. Journal of Forestry 64 (September): 606-610.
- Burch, W. R., Jr. 1965. The Play World of Camping: Research into the Social Meaning of Outdoor Recreation. American Journal of Sociology 70 (5): 604-612.
- Burnett, J. T. 1972. Campground Reservation Systems. Texas Agricultural Experiment Station, Department of Recreation and Parks, Information Report #4. College Station, Texas.
- Burton, Thomas. 1966. Outdoor Recreation in America, Sweden and Britain. Town and Country Planning 34 (10): 456-461.



- Brewer, Durword and Glenn A. Gillespie. 1966. Socio-economic Factors Affecting Participation in Water-Oriented Outdoor Recreation, United States Department of Agriculture Economic Research Service in Cooperation with Missouri Agricultural Experiment Station. University of Missouri, Columbia (ERS-403).
- Carnes, W. G. 1960. Land Resource Requirements for a National Recreation Program. In Modern Land Policy. Urbana, Illinois: University of Illinois Press.
- Christensen, James E. 1972. A Sociological Analysis of the High-Use and Low-Use of Outdoor Recreation Facilities. Ames: Iowa State University, unpublished M.S. thesis.
- Cicchetti, Charles J. and V. Kenny Smith. 1973. Congestion, Quality Deterioration and Optimal Use: Wilderness Recreation in the Spanish Peaks Primitive Area. Social Science Research 2 (March): 15-30.
- Clawson, Marion. 1972. America's Land and Its Use. Baltimore: John Hopkins Press.
- Clawson, M. 1963. Land and Water for Recreation. Chicago: Rand McNally & Co.
- Cushwa, C. T., B. S. McGinnes, and R. H. Riley. 1965. Forest Recreation: Estimates and Predictions on the North River Area, George Washington National Forest, Virginia: Virginia Agricultural Experiment Station B-558.
- Dana, Samuel T. 1968. Education and Outdoor Recreation. Washington, D. C.: U. S. Government Printing Office.
- Darling, F. F. and N. D. Eichhorn. 1969. Man and Nature in the National Parks. Washington, D. C.: The Conservation Foundation.
- Dersch, E. 1972. Evaluation of Recreation Supply Relationships for Outdoor Recreation Development, in Proceedings of the Symposium on Social and Economic Aspects of Water Resources Development. Water Resources Bulletin. Urbana, Illinois: American Water Resources Association. Pp. 156-157.
- Dickerman, M. B., ed. 1961. Outdoor Recreation in the Upper Great Lake Forest Experiment Station, U. S. Forest Service. St. Paul, Minnesota. Station Paper No. 89.
- Douglas, Robert W. 1969. Forest Recreation. New York: Pergamon Press.

- Field, Donald R. and Joseph T. O'Leary. 1973. Social Groups as a Basis for Assessing Participation in Selected Water Activities. Journal of Leisure Research 5 (2): 16-25.
- Foster, B. B. 1973. New Hampshire's Outdoor Recreation Activities and their Role in State's Economy. Research Report New Hampshire Agricultural Experiment Station Report # 29.
- Foster, John. 1966. The Recreational Use of Water. Town and Country Planning 34 (6): 335-340.
- Gillespie, G. A. and D. Brewer. 1968. Effect of Non-Price Variables Upon Participation and Water-Oriented Outdoor Recreation. American Journal of Agricultural Economics 50 (February): 82-90.
- Gunn, C. A., D. J. Reed and R. E. Couch. 1972. Cultural Benefits from Metropolitan River Recreation. College Station: Texas A & M Water Resources Institute Technical Report 43. National Technical Information Services publication PB 213-816.
- Hamill, Louis. 1971. Classification of Forest Land for Recreational Potential and Scenery. The Forestry Chronicle 47, 3 (June): 1-5.
- Harry, Joseph. 1972. Comment on the Lindsay and Ogle Article 'Socioeconomic Patterns of Outdoor Recreation Use Near Urban Areas'. Journal of Leisure Research 4 (Summer): 218-219.
- Haughen, Arnold O. and Richard E. Lenning. 1970. Pre-Impoundment Recreational Use Pattern and Waterfowl Occurrence in the Saylorville Reservoir Area. Ames: Iowa State Water Resources Research Institute Report. National Technical Information publication PB 196-725.
- Hendee, John C. and Frederick L. Campbell. 1969. Social Aspects of Outdoor Recreation -- The Developed Campground. Trends in Parks and Recreation. (October)
- Hopper, W. D. 1958. Discussion: Nonagricultural and Recreational Uses of Rural Land and Water. Journal of Farm Economics 40 (December): 1350-1352.
- Hutchinson, Jan. 1973. Outdoor Recreation in the Upper Kickapoo Valley. Madison: Institute for Environmental Studies, University of Wisconsin, Institute for Environmental Studies.
- Isard, W. 1972. Ecologic - Economic Analysis for Regional Development. New York: Free Press.
- James, George A., Gordon R. Sanford, and Andrew Searcy, Jr. 1972. Origin of Visitors to Developed Recreational Sites on National Forests. Journal of Leisure Research 4 (Spring): 108-118.

- Jensen, Clayne R. 1970. Outdoor Recreation in America. Minneapolis: Burgess Publishing Company.
- Kalter, Robert J. and Lois E. Gosse. 1969. Outdoor Recreation: Projections for 1970-1985. New York State College of Agriculture at Cornell University. Special Cornell Series No. 5
- Kittle, J. R., F. R. Taylor and R. W. Cox. 1968. A Pilot Study of Certain Aspect of Outdoor Recreation in North Dakota. North Dakota Agricultural Experiment Station, B 459.
- Krutilla, John V. and Jack L. Knetsch. 1969. Outdoor Recreation Economics Annals of the American Academy of Political and Social Science. 389 (May): 63-70.
- LaPage, W. F. and D. P. Ragain. 1971. Trends in Camping Participation. USDA Forest Service Research Paper NE-183, Upper Darby, Pennsylvania: NE Forest Experiment Station.
- Lazorovich, M. Background of the Canadian Outdoor Recreation Demand (Cord) Study, Technical Report prepared for Outdoor Recreation Research, Section of Canadian National and Historic Parks Branch, Ottawa, Canada.
- Lee, Robert G. 1972. The Social Definition of Outdoor Recreation Places, Pp. 68-74 in William R. Burch, Jr., Neil W. Chock, Jr., and Lee Tylor (eds) Social Behavior, Natural Resources, and the Environment. New York: Harper and Row.
- Lifton, Fred B. 1966. Trends in Small Boating and Its Impact on Water Resources Development. In Proceedings of the 2nd Annual American Water Resources Conference. Urbana, Illinois: Pp. 182-186.
- Loomer, C. W. 1958. Recreational Uses of Rural Lands and Water. Journal of Farm Economics 40 (December): 1327-1328.
- Lucas, R. C. 1964. Wilderness Perception and Use: The Example of the Boundary Waters Canoe Area. Natural Resources Journal 3: 394-411.
- Mandell, Lewis, and Robert W. Marans. 1972. Participation in Outdoor Recreation: A National Perspective. Ann Arbor, Michigan: Survey Research Center, Institute for Social Research, the University of Michigan.

- Masser, A. 1966. The Use of Outdoor Recreation Facilities. Town Planning Review 3: 41-54.
- Merewitz, L. 1966. Recreational Benefits of Water Resources Development. Water Resources Research, 2 (4th quarter): 625-640.
- Merriam, L. C. and R. B. Ammons. 1967. The Wilderness User in Three Montana Areas. St. Paul: School of Forestry, University of Minnesota.
- Merriam, L. C. Jr., K. D. Wald, and C. E. Ramsey. 1972. Public and Professional Definitions of the State Park: A Minnesota Case. Journal of Leisure Research. 4 (Fall): 259-274.
- Milliken, J. Gordon and H. E. Mew, Jr. 1969. Recreational Impact of Reclamation Reservoirs. Denver: Denver Research Institute, Colorado Industrial Economics Division: Summary Report.
- Munger, James A. and C. W. Loomer. 1964. Ownership and Use of Land for Forestry and Recreation in Northern Wisconsin. Research Bulletin 248. Madison: Wisconsin Agricultural Experiment Station.
- Munson, Carl F. and H. J. Schweitzer. 1964. Camp-Centered Recreation: A Study of Family Camping at the Pounds Hollow and Lake Glendale Recreation Areas. University of Illinois Extension Publication AE-4041.
- Myles, George A. 1969. Participation in Water Based Recreation by Nevada Residents and Tourists. Agricultural Experiment Station, Bulletin 21, College of Agriculture, University of Nevada.
- Nielson, Joyce M. and William R. Catton, Jr. 1971. Forest Recreation Propositional Inventory. Journal of Leisure Research 3 (Summer): 178-193.
- Northeastern Forest Experiment Station. 1971. Recreation Symposium Proceedings. Upper Darby, Pennsylvania: U. S. Department of Agriculture Northeastern Experiment Station.
- Norton, G. A. 1970. Outdoor Recreation and Resource Allocation: A Welfare Approach. Land Economics 46 (November): 414-422.
- Owens, Gerald P. 1970. Outdoor Recreation: Participation, Characteristics, of Users, Distances Traveled and Expenditures. Wooster, Ohio: Ohio Agricultural Research and Development Center. Research Bulletin 1033.

- Pankey, V. S. and W. E. Johnston. 1969. Analysis of Recreational Use of Selected Reservoirs in California. Department of the Army, Office Chief of Engineers. Washington, D.C. Recreation Contact Report No. 1.
- Patmore, J. A. 1971. Land and Leisure in England and Wales. Newton Abbot, England: David and Charles, Publishers.
- Pearse, Peter H. 1969. Toward a Theory of Multiple Use: The Case of Recreation versus Agriculture. Natural Resources Journal 9 (October): 561-575.
- Revelle, Roger. 1967. Outdoor Recreation in a Hyper-Productive Society. Daedalus 96 (Fall): 1172-1191.
- Sargent, F. O. 1969. Hiking on Camels Hump Research Report MP60. Vermont Agricultural Experiment Station, University of Vermont, July.
- Seneca, Joseph H. and Charles J. Cicchetti. 1969. User Response in Outdoor Recreation: A Production Analysis. Journal of Leisure Research 1 (Summer): 238-246.
- Sewell, W. R. D. and J. Rostron. 1970. Recreational Fishing Potential. Ottawa: Canada Department of Fisheries and Forestry.
- Shafer, Elwood L. and Roger C. Thompson. 1968. Models that Describe Use of Adirondack Campgrounds. Forest Science 14 (December): 383-391.
- Smith, Gorman C. and Henry Linsert, Jr. 1971. A Recreational Boating Population Statistical Information System. Arlington, Virginia: Information Concepts, Inc. Report I.
- Swanson, A., J. T. Schield, O. H. Wayne, E. Decker, R.B. Held, J. A. Straayer, R. R. Hill, G. N. Hunter, and G. Purdue. 1969. Fishing and Wildlife Resources on the Public Lands. Department of Fishing, Wildlife, and Biology, Colorado State University, Fort Collins, Colorado.
- Stevens, T. H. and R. J. Kalter. 1970. Technical Externalities, Outdoor Recreation and the Regional Economic Impact of Cayuga Lake. Ithaca: New York State College of Agriculture, Department of Agriculture Economics Research 317.
- Stone, G. P. and M. J. Taves. 1958. Camping in the Wilderness. Pp. 290-305 in Eric Larrabee and Rolf Meyersohn (eds.), Mass Leisure. Glencoe, Illinois: Free Press.

- Stone, Gregory P. and Marvin J. Taves. 1956. Research into the Human Element in Wilderness Use. Proceedings, Society of American Foresters. Pp. 26-32.
- Tatham, Ronald L. and Ronald J. Dornoff. 1971. Market Segmentation for Outdoor Recreation. Journal of Leisure Research 3 (Winter): 5-16.
- Taylor, Charles E. and Douglas M. Knudson. 1973. Area Preferences of Midwestern Campers. Journal of Leisure Research 5 (Spring): 39-48.
- U. S. Bureau of Sport Fisheries and Wildlife. 1960, 1965, and 1970. The National Survey of Fishing and Hunting. Washington, D.C.: U. S. Government Printing Office.
- U. S. Bureau of Outdoor Recreation. 1973. Outdoor America -- A Plan for Providing Recreation Opportunities to the Nation. Washington: U. S. Government Printing Office. National Technical Information Service publication, PB-125.
- U. S. Bureau of Outdoor Recreation. 1972. The 1970 Survey of Outdoor Recreation Activities, Preliminary Report. Washington, D.C.: U. S. Government Printing Office.
- U. S. Bureau of Outdoor Recreation. 1972. The 1970 Survey of Outdoor Recreation Activities, Preliminary Report. Washington, D.C.: U. S. Government Printing Office.
- U. S. Bureau of Outdoor Recreation. 1967. Outdoor Recreation Trends. Washington: U. S. Department of the Interior.
- U. S. Bureau of Outdoor Recreation. 1967. 1965 Survey of Outdoor Recreation Activities. Washington, D. C.: Government Printing Office.
- U. S. Outdoor Recreational Resources Review Commission, 1962. Shoreline Recreation Resources of the United States. ORRC Report 4. Washington: U. S. Government Printing Office.
- U. S. Outdoor Recreation Resources Review Commission. 1962. Fishing -- Today and Tomorrow. ORRC Report 7. Washington: U. S. Government Printing Office.
- U. S. Outdoor Recreation Resources Review Commission. 1962. Alaska Outdoor Recreation Potential. ORRC Study Report No. 9, Washington, D. C.: U. S. Government Printing Office.

- U. S. Department of Agriculture and Forest Service. 1965. Outdoor Recreation in the National Forest. Forest Service Agricultural Information B 301.
- U. S. Department of Agriculture, Forest Service. 1963. Rural Recreation Enterprises for Profit: An Aid to Rural Areas Development. Agriculture Information Bulletin No. 277, Pp. 42. Washington: U. S. Government Printing Office.
- U. S. Department of Agriculture, Forest Service. 1962. Forest Recreation for Profit. Washington: U. S. Government Printing Office. Agricultural Information Bulletin No. 266.
- U. S. Department of the Interior. 1966. Outdoor Recreation Research: A Reference Catalog. Washington: Bureau of Outdoor Recreation.
- U. S. Outdoor Recreation Resources Review Commission. 1962. Study Report No. 3: The Quality of Outdoor Recreation as Evidenced by User Satisfaction. Washington, D. C.: U. S. Government Printing Office.
- U. S. Outdoor Recreation Resources Review Commission (ORRC). 1962. Report of the Outdoor Recreation Resources Review. Vol. 19. Washington, D. C.: U. S. Government Printing Office.
- U. S. Outdoor Recreation Resources Review Commission. 1962. Prospective Demand for Outdoor Recreation. Study Report No. 26. Washington, D. C.: U. S. Government Printing Office.
- U. S. Outdoor Recreation Resources Review Commission. 1962. Trends in American Living and Outdoor Recreation. ORRC Study Report No. 22. Washington: U. S. Government Printing Office.
- Van Doren, Carlton S. and Barry Lentnek. 1969. Activity Specialization Among Ohio's Recreational Boaters. Journal of Leisure Research 2 (Autumn): 269-315.
- Wagar, J. Alan. 1969. Nonconsumptive Uses of the Coniferous Forest, with Special Relation to Consumptive Uses. Coniferous Forests of the Northern Rocky Mountains: Proceedings of the 1968. Symposium. Missoula: University of Montana Foundation.
- Wagar, J. 1967. Outdoor Recreation on Common Land. Journal of the Town Planning Institute 53: 398-403.
- Wagar, J. Alan. 1963. Campgrounds for Many Tastes. Ogden Intermountain Forest and Range Experiment Station. USFS Research Paper. pp. 6-10.

Yoesting, Dean R. and Dan L. Burkhead. 1971. Sociological Aspects of Water-Based Recreation In Iowa. Ames, Iowa: Department of Sociology, Iowa State University, Sociology Report No. 94.



9. Leisure Recreation and the Environment

Articles dealing with the relationship between outdoor recreational use and possible conflicts with environmental considerations are subsumed under this heading. The effects of beach and water use for such activities as sport fishing, swimming, and boating are common topics. The predominance of water recreation is typical of this body of literature. With an expanding population which has increasingly more leisure time, the use of land for various forms of recreation is becoming a crucial controversy which has implications for our future quality of life. The benefits of leisure and its detrimental effects have to be weighed against what is relatively more important. The problem of avoiding injurious effects to the environment while enjoying outdoor recreation locations is considered.

- Aschmann, Homer. 1969. People, Recreation and Wild Lands and Wilderness. Landscape 18 (1): 40-44.
- Aukerman, R. 1971. Water Quality - Criteria for Selected Recreational Uses-Site Comparisons. Urbana: University of Illinois Department of Physical Education, unpublished Ph.D. dissertation.
- Bentham, R. J. 1973. Recreational and Environmental Planning. Biological Conservation 5 (January): 1-5.
- Bishop, D. W. 1970. Water Quality Criteria for Selected Recreation Uses. Urbana: University of Illinois Graduate School, Recreation and Park Administration.
- Burch, William R., Jr. 1971. Daydreams and Nightmares: A Sociological Essay on the American Environment. New York: Harper and Row.
- Carlson, R. E. 1970. Study Design - Outdoor Recreation Environmental Studies Program in Water Resources. Bloomington: Indiana University, Water Resources Research Center.
- Carter, C. P. and D. C. Williams. 1972. Impact of Recreation on Water Resource Management. Proceedings of the Mississippi Water Resource Conference 7th: 175-189.
- Ching, Chauncey T. K. and George E. Frick. 1973. Economic Effects of Pawtuckaway State Park: V, Effect of Park Use on Environmental Quality. Research Report No. 8, Water Resources Research Center, University of New Hampshire.

- Chubb, Michael and Peter Ashton. 1969. Parks and Recreation Standards Research: The Creation of Environmental Quality Controls for Recreation. College of Agriculture and Natural Resources, East Lansing, Michigan State University, Technical Report No. 5.
- Clawson, M. 1966. Economics and Environmental Impacts of Increasing Leisure Activities. In Darling, F. F. (ed.), Future Environments of North America. Garden City, New York: Natural History Press.
- Clawson, M. 1966. The Influence of Weather on Outdoor Recreation In W. R. D. Sewell (ed.), Human Dimensions of Weather Modification. Chicago: University of Chicago Press.
- Craik, Kenneth H. 1970. The Environmental Dispositions of Environmental Decision-Makers. The Annals 389 (May): 87-94.
- Darling, E. F. and N. D. Erickhorn. 1967. Man and Nature in the National Parks. Washington, D. C.: The Conservation Foundation.
- Davidson, J. and J. M. Davidson. 1970. Managing the Environment in Tomorrow's Europe. Journal of the Town Planning Institute 56 (3): 92-94.
- Davidson, P., R. G. Adams, and J. Seneca. 1965. The Social Value of Recreational Facilities Resulting From an Improvement in Water Quality: The Delaware Estuary. In A. V. Kneese and S. C. Smith, (eds.), Water Research.
- Douglas, P. A. 1972. Conservation Considerations - A Boom to Outdoor Recreation. U. S. Forest Service Research Paper NE-235: 7-11.
- Gale, Richard P. 1972. From Sit-in to Hike-in: A Comparison of the Civil Rights and Environment Movements. In Burch, Cheek and Taylor (eds.), Social Behavior, National Resources, and the Environment. N. Y.: Harper and Row.
- Gamble, H. B. 1970. Stream Pollution and Recreation. University Park: Penn State-University Institute for Research on Land, Water, Agricultural Economics, and Rural Sociology.
- Gamble, H. B. 1970. Environmental Quality Perception of Water Based Recreation Areas. Washington: Department of the Interior.
- Gibbs, K. C. 1969. The Estimation of Recreational Benefits Resulting from an Improvement of Water Quality in Upper Klamath Lake: An Application of a Method for Evaluating the Demand for Outdoor Recreation. Unpublished Ph.D. dissertation, Oregon State University.

- Harry, Joseph, Richard Gale, and John Hendee. 1969. Conservation: An Upper-Middle Class Social Movement. Journal of Leisure Research 1 (Summer): 246-254.
- Hill, Gregory A. 1971. A Look Beyond New York's Snowmobiling Status. Conservation Circular 9 (Winter). New York State College of Agriculture and Life Sciences, Cornell University, Ithaca.
- Hole, W. E. 1973. Reclamation for Recreation - Some Case Studies. Outdoor Recreation Action 28 (Summer): 18-20.
- Jarvine, Julie A. and William D. Schmid. 1971. Snowmobile Use and Winter Mortality of Small Mammals. In M. Chubb (ed.), Proceedings of the 1971 Snowmobile and Off the Road Vehicle Research Symposium. East Lansing, Michigan: Michigan State University.
- Knopp, Timothy B. 1972. Environmental Determinants of Recreation Behavior. Journal of Leisure Research 4 (Spring): 129-138.
- Lucas, R. C. 1966. The Contributions of Environmental Research To Wilderness Policy Decisions. Journal of Social Issues XXII (October): 117-126.
- McKechnie, George. 1970. Measuring Environmental Dispositions With the Environmental Response Inventory. EDRA 2, Proceedings of the 2nd Annual Environmental Design Research Association Conference, edited by John Archea and Charles Eastman, (October).
- Miller, Larry C. 1971. Some Observations in Michigan State Parks Following Unrestricted Snowmobiling. In M. Chubb (ed.), Proceedings of the 1971 Snowmobile and Off the Road Vehicle Research Symposium, East Lansing, Michigan: Michigan State University.
- Morgan, Joe M. and Paul H. King. 1970. Effects of Reservoir Operating Policy on Recreation Benefits, Virginia Polytechnic Institute and State University, Paper presented at the Sixth American Water Resources Conference, Las Vegas, Nevada. October 26-30.
- Myles, G. A. 1970. Effect of Quality Factors on Water Based Recreation in Western Nevada. Nevada Agricultural Experiment Station Bulletin 24. University of Nevada, Las Vegas, Nevada.
- Sharpe, M. S. 1972. The National Parks and Young America. In National Parks for the Future. Washington, D. C.: Conservation Foundation.

- Sommerstrom, Allan R. 1966. The Impact of Human Use on Recreational Quality: The Example of the Olympic National Park Back Country User. M.S. thesis (unpublished), University of Washington.
- Staley, Edwin J. and Norman P. Miller. 1972. Leisure and the Quality of Life. Washington, D. C. : American Association for Health, Physical Education, and Recreation.
- Stevens, T. B. 1965. Recreation Benefits from Water Pollution Control. Water Resource Research (Second Quarter): 167-182.
- Wanek, Wallace J. 1971. Snowmobiling Impact of Vegetation, Temperatures and Soil Microbes. In M. Chubb (ed.), Proceedings of the 1971 Snowmobile and Off the Road Vehicle Research Symposium, East Lansing, Michigan: Michigan State University.
- Whittaker, James C. and Dennis S. Wentworth. 1971. Impact of Snowmobiling on Vegetation. In M. Chubb (ed.), Proceedings of the 1971 Snowmobile and Off the Road Vehicle Research Symposium, Michigan State University, East Lansing.
- Williams, D. A. 1968. Conservation in Recreation Areas. Soil Conservation 34 (October): 71.

10. The Economics of Leisure and Recreation

These studies come mainly from planners, engineers, and economists. The number reported here is limited because the focus of the bibliography is broad social science perspectives of projects rather than a strict economic interpretation of changes brought about by the creation and expansion of leisure facilities. However, many of the benefits of recreation are economic and directly or indirectly affect the development of a community. Related articles are contained in the section on "Demand Analysis and Prediction" Section 18.

- Appalachian Regional Commission. 1966. Recreation as an Industry. Washington, D. C.
- Brown, W. G., and A. Singh, and E. N. Castle. 1964. An Economic Evaluation of the Oregon Salmon and Steelhead Sport Fishery. Corvallis, Oregon: Oregon Agricultural Experiment Station, Technical Bulletin 78.
- Carey, Omer L. 1965. The Economics of Recreation: Progress and Problems, Western Economic Journal (Spring).
- Carruthers, Carrey E. 1968. An Analysis of Public Investment in Iowa State Parks and Recreation Areas, Ames, Iowa: Iowa State University of Science and Technology, unpublished Ph.D. thesis.
- Clawson, Marion. 1962. Private and Public Provision of Outdoor, Recreation Opportunity. In Economic Studies of Outdoor Recreation, Study Report 24, Outdoor Recreation Resources Review Commission. Washington: U. S. Government Printing Office: 71-96.
- Clawson, Marion. 1959. Statistical Data Available for Economic Research on Certain Types of Recreation. Journal of the American Statistical Association LIV (March): 307.
- Clawson, M. and Knetsch, J. L. 1966. Economics of Outdoor Recreation. Baltimore The John Hopkins Press.
- Cicchetti, Charles J. 1969. Some Economic Issues in Planning Urban Recreational Facilities. Land Economics (February): 14-23.
- Crutchfield, James A. 1962. Valuation of Fishery Resources: Land Economics, (May).
- Davis, Robert K. 1963. The Value of Outdoor Recreation: An Economic Study of the Maine Woods, Cambridge, Mass.: Harvard University, unpublished Ph.D. dissertation.

- Dyer, A. Allen. 1967. The Value of a Trout Stream Fishery, Project B008 Utah. Final report to the office of Water Resource Research, Washington, D. C. Logan, Utah: Utah Center for Water Research.
- Epp, Donald J. 1971. The Effect of Public Land Acquisition for Outdoor Recreation on the Real Estate Tax Base. Journal of Leisure Research 3 (Winter): 17-27.
- Epp, Donald J. 1970. The Economic Impact of Recreational Water Reservoir Development on Land Use, Business Enterprises, and Land Values, Agricultural Experiment Station, Bulletin 764, College of Agriculture, The Pennsylvania State University.
- Fisk, George. 1963. Leisure Spending - Background. Philadelphia: University of Pennsylvania Press.
- Foster, Bennett B. and Vincent R. Dahlfrer. 1972. New Hampshire's Outdoor Recreation Activities and Their Role in the State's Economy, Research Report No. 29, New Hampshire Agricultural Experiment Station, University of New Hampshire, Durham.
- Frick, G. E. and C. T. K. Ching. 1970. Generation of Local Income From Users of a Rural Park. Journal of Leisure Research 2 (4): 260-263.
- Gamson, C. B. 1972. Local Economic Impact of Reservoir Recreation. Knoxville: Tennessee Water Resources Reservoir Center Report 27 NTIS publication PB 219-585.
- Gillespie, G. A. and D. Brewer. 1969. An Econometric Model for Predicting Water Oriented Recreational Demand. United States Department of Agriculture Economic Research Service 402, March.
- Gray, James R. and L. Wayne Anderson. 1964. Recreation Economics in South-Central New Mexico. Bulletin 488. New Mexico State University, Agricultural Experiment Station.
- James, L. Douglas. 1970. Economic Optimization and Reservoir Recreation. Journal of Leisure Research 2 (Winter): 30-42.
- James, L. Douglas. 1967. The Economic Analysis of Recreational Reservoirs. Kentucky Law Journal 55: 822-843.
- Jansen, E. F. and Others, 1971. Economic Effects of Pawtuckaway State Park: II, Park User Characteristics. Research Report No. 17, New Hampshire Agricultural Experiment Station.

- Jordan, Mx. 1963. Opportunities for Improving Rural-Farm Income Through Recreation Enterprises. Agriculture Extension Station, University of Arkansas, Bulletin No. 673.
- Kalter, R. J. 1971. The Economics of Water-Based Outdoor Recreation: A Survey and Critique of Recent Developments. United States Army Engineer Institute for Water Resources Report 71-78.
- Kalter, R. J. and Lord, W. B. 1968. Measurement of the Impact of Recreation Investments on Local Economy. American Journal of Agricultural Economics 50 (May): 243-256.
- Knetsch, J. L. 1967. Economic Aspects of Outdoor Recreation. In Conference on Parks and Outdoor Recreation, Proceedings, Conservation Council of Ontario, Toronto, 51-59.
- Knetsch, J. L. 1964. Economics of Including Recreation as a Purpose of Eastern Water Projects. Journal Farm Economics 46: 1148-1157.
- Krutilla, John V. and Jack L. Knetsch. 1970. Outdoor Recreation Economics. The Annals of the American Academy of Political And Social Sciences. 389 (May): 63-70.
- Kuehn, J. A. and D. Brewer. 1967. Conflicts with Recreation: An Emerging Problem in the Allocation of Water and Investment Funds. Land Economics 43 (November): 456-461.
- Mantley, Robert S. and Thomas L. Tucker. 1972. Supply Costs for Public Forest Land Recreation. Michigan State University, Agricultural Experiment Station, East Lansing. Research Report 158.
- McClellan K. and E. A. Medrick. 1959. Outdoor Recreation: Economic Consideration for Optimal Site Selection and Development. Land Economics 45 (May): 174-182.
- Milstein, David N. 1961. An Economic Approach to Leisure Analysis. Social Problems 9 (Summer): 17-31.
- Outdoor Recreation. 1952. Economic Studies of Outdoor Recreation. Outdoor Recreation Resources Review Commission Study Report 24. Washington, D. C.: Government Printing Office.
- Outdoor Recreational Resources Review Commission. 1962. Paying for Recreation Facilities. ORRRC Study Report 12. Washington, D. C.: Government Printing Office.

- Owen, John D. 1970. The Price of Leisure. An Economic Analysis of the Demand for Leisure Time. Montreal: McGill-Queens University Press.
- Pearse, Peter H. 1968. A New Approach to the Evaluation of Non-Price Recreational Resources. Land Economics 44 (February): 87-99.
- Pfister, Richard L. 1963. Expenditures on Vacations and Pleasure Travel in New Hampshire. In Mark Pearlman (ed.), Human Resources in the Urban Economy. Baltimore: John Hopkins Press.
- Robinson, Warren C. 1967. The Simple Economics of Public Outdoor Recreation. Land Economics 43 (1): 71-83.
- Schmedemann, Ivan W. 1970. Contributions to the United States Economy from Recreational Development in the Great Plains. Attaining Economic Development. Great Plains Agricultural Council Publication No. 49.
- Schmedemann, I. W. 1970. Economic Impact of Recreation--Who Gets What. In Proceedings of the Coastal Land Resources Conference June 16-17. Galveston Agriculture Extension Service and Texas A & M University Sea Grant Program. Pp. 49-60.
- Schmedemann, Ivan W. and John G. McNeely. 1967. Impact of Recreation on Local Economies. Proceedings: Western Farm Economics Association. New Mexico State University, Las Cruces, New Mexico: 281-287.
- Schutjer, W. A. and M. C. Hallberg. 1968. Impact of Water Recreational Development on Rural Land Value. American Journal of Agricultural Economics 50 (August): 572-583.
- Scott, Anthony. 1965. The Valuation of Game Resources: Some Theoretical Aspects. Canadian Fisheries Reports (4): 27-47.
- Seckler, David W. 1966. On the Uses and Abuses of Economic Science in Evaluating Public Outdoor Recreation. Land Economics. Vol. 42, No. 4.
- Strang, William A. 1970. Recreation and the Local Economy--An Input-Output Model of a Recreational-Oriented Economy. Madison: Wisconsin University Sea Grant Technical Report No. 4. National Technical Information Service Publication 195-744.
- Tolley, G. S. 1966. The Impact of Water Investments in Depressed Areas A. V. Kneese and S. C. Smith (eds.), Water Research Baltimore: John Hopkins Press.



- Trice, Andrew H. and Samuel E. Wood. 1958. Measurement of Recreation Benefits, Land Economics (August).
- Trock, W. L. and R. D. Lacewell. 1973. An Economic Evaluation of a Water-Based Urban Tourist Attraction in San Antonio, Texas. College Station: Texas A & M University. Technical Report 48. National Technical Information Service # PB-221-024.
- Wennergren, E. Boyd. 1964. Valuing Non-Market Priced Recreational Resources. Land Economics 40 (August): 307-313.
- Wilensky, Harold L. 1961. The Uneven Distribution of Leisure: The Impact of Economic Growth on "Free Time" Social Problems. 9 (Summer): 32-56.

11. Commercial and Private Recreation Activities

Included in this category are studies of private recreational facilities and private large scale commercial recreation industries. The majority are concerned with consumer markets for special leisure products and activities. No attention is given to studies of commercial recreation products. This category has quite different considerations than public recreational planning and was, therefore, considered separately. It should be noted that this type of research is under-represented in that private consumer surveys are seldom available for academic inspection and are seldom published in the journals searched for this bibliography.

Boating Industry Association. Annual Market Research Notebook: The Marine Market. Chicago, Illinois (published every year).

Boggs, G. D., and R. McDaniel. 1968. Characteristics of Commercial Resorts and Recreational Travel Patterns in Southern Ontario, Report RR 133, Dept. of Highways, Ontario.

Burby, R. J., T. G. Donnelly and Shirley F. Weiss. 1972. Vacation Home Vacation: A Model for Stimulating the Residential Development of Rural Recreation Areas. Regional Studies 6: 421-439.

Callahan, John C. and D. M. Knudson. 1966. Economic Aspects of Commercial Outdoor Recreation Enterprises in Southern Indiana. Lafayette, Ind.: Purdue University A. E. S. Research Bulletin No. 814.

Choate, Joseph E. 1957. Recreational Boating: The Nation's Family Sport. Annals of American Academy of Political and Social Science 313 (September) 109-112.

Chubb, Michael, ed. 1971. Proceedings of the 1971 Snowmobile and Off the Road Vehicle Research Symposium. College of Agriculture and Natural Resources, Technical Report No. 8; Michigan State University, East Lansing.

Coggeshall, Almy D. and Harry N. Roberts. 1971. Snowmobiles and Ski Touring: A Study in Recreational Conflicts Eastern New York Ski Touring Association.

Conner, J. R., K. C. Gibbs, and J. E. Reynolds. 1973. The Effects of Water Frontage on Recreational Property Values. Journal of Leisure Research 5 (Spring): 26-38.

- Degler, George F. and D. M. Knudson. 1972. Growth and Change in the Commercial Outdoor Recreation Industry in Southern Indiana. W. Lafayette, Indiana: Purdue University A.E.S. Research Bulletin No. 892.
- Echelberger, H. E. and E. L. Shafer, Jr. 1970. Snow + (X) = Use of Ski Slopes. Journal of Marketing (August): 388-392.
- Fine, I. V., and Werner, E. E. 1960. Private Cottages in Wisconsin. Madison: University of Wisconsin Vacation-Recreation Papers 1 (4).
- Heimsath, Clovis. 1969. Great Escape to the More Ideal Environment of a Second Home, American Institute of Architects Journal (April).
- Herrington, R. B. 1967. Skiing Trends and Opportunities in the Western States. Ogden, Utah: Intermountain Forest and Range Experiment Station, U. S. Forest Service Research Paper INT-34.
- Hill, Gregory A. 1974. Central New York Snowmobiles and Patterns of Vehicle Use. Journal of Leisure Research 6 in press.
- Ironsides, R. G. 1970. Private Development in National Parks: Residential and Commercial Facilities in the National Parks of North America. Town Planning Review 41 (October): 305-316.
- Johnston, Warren E. and Gary H. Elsner. 1972. Variability in Use Among Ski Areas: A Statistical Study of the California Market Region. Journal of Leisure Research 4 (Winter): 43-49.
- Kogan, N. (ed.). 1968. Cinema and the Viewer: A Sociological Study. Moscow: Izdatelstov, "Iskusstvo".
- LaPage, W. F. 1969. Campground Marketing: The Heavy-Half Strategy. Upper Darby, Pennsylvania: Northeastern Forest Experiment Station, Forest Service Research Note NE-93, U. S. Department of Agriculture.
- Lanier, Louis L. and Chubb, Michael. 1971. Michigan's 1970 Snowmobile Study. In M. Chubb (ed.), Proceedings of the 1971 Snowmobile and Off the Road Vehicle Research Symposium. Michigan State University, East Lansing.
- Leuschner, W. A. 1970. Skiing in the Great Lakes States: The Industry and the Skier. USDA Forest Service, Res. Pap. NC-46, North Central Forest Experiment Station, St. Paul, Minnesota.

- Leuschner, W. A. and Herrington, R. B. 1971. The Skier: His Characteristics and Preferences. In Recreation Symposium Proceedings, Upper Darby, Pennsylvania: Northeastern Forest Experiment Station: 135-142.
- Marquardt, R. A.; McGann, A. F.; Ratcliff, J. C. and Routson, J. C. 1972. The Cognitive Dissonance Model as a Predictor of Customer Satisfaction Among Camper Owners. Journal of Leisure Research 4 (4): 275-283.
- National Research Council of Canada. 1971. From Sleighbells to Decibels. Science Dimension 3 (April) 8-11.
- Negri, Barry D. 1970. Snowmobile Accidents, A Detailed Investigation. New York State Department of Motor Vehicles; Report No. 1970-2.
- New Hampshire State Planning Project. 1964. The Skier Market in Northeast North America. (Report # 6) State Planning Board, Concord.
- Oi, Walter Y., A Disneyland Dilemma: Two-Part Tariffs for a Mickey Mouse Monopoly, Quarterly Journal of Economics LXXXV, (February): 77-96.
- Opatowsky, Stan. 1972. Take Me Out to the Ballgame. Pp. 378-385 in M. Marie Harts (ed.), Sport in the Socio-cultural Process. Dulsagne: William C. Brown Co.
- Ragatz, Richard L. 1970. Vacation Homes in the Northeastern United States: Seasonality in Population Distribution. Annals of the Association of American Geographers 60 (September): 447-455.
- Rhodes, T., and Whittacker, R. 1968. A Quantitative Analysis of Alternative Theatre Location. Urban Studies 5 (2): 121-131.
- Roberts, John M. Fredrick Koenig and Richard E. Stark. 1969. Judged Display: A Consideration of a Craft Show. Journal of Leisure Research 1 (Spring): 163-179.
- Snyder, Richard. 1972. The Sporting Goods Market at the Threshold of the Seventies. Pp. 428-442 in M. Hart, (ed.), Sport in Socio-Cultural Process. Dulsagne: William C. Brown Co.
- Snyder, R., and Adams, D. 1967. Seasonal Recreation Properties in Minnesota. St. Paul: University of Minnesota Farm Business Notes No. 495.

- Stansfield, Charles A., Jr. and John E. Rickert, 1970. The Recreational Business District. Journal of Leisure Research 2 (Fall): 213-225.
- Street, Donald R. 1967. Recreation Economics-Fee Fishing in Pennsylvania. Natural Resources Economics Division. U. S. Department of Agriculture and Agricultural Experiment Station. Mimeographed Report AE and RS 62.
- Tobet, Donald M., Jr. and Harlan B. Bumsted. 1964. Characteristics of 72 Commercial Outdoor Recreation Enterprises in New York State. Ithaca, New York: Cornell University Department of Conservation. Leaflet C-40.
- Tombaugh, Larry W. 1970. Factors Influencing Home Vacations. Journal of Leisure Research 2 (Winter): 54-63.
- U. S. Bureau of Outdoor Recreation. 1966. Northern New England Vacation Home Study. Washington, D. C., Department of the Interior, U. S. Government Printing Office.
- U. S. Bureau of Outdoor Recreation. 1962. Private Outdoor Recreational Facilities. ORRRC Study Report 11. Washington: U. S. Government Printing Office.
- U. S. Department of Agriculture, Forest Service. 1966. Skiing: The National Forest-America's Playgrounds, Pennsylvania 525 Revised (December).
- U. S. Department of Agriculture. 1962. Report of Task Force on Income-Producing Recreation Enterprises on Farm Land. Washington: U. S. Government Printing Office.
- U. S. Department of Commerce, Area Development Administration. 1964. The Skier Market in Northeast North America.
- Van Doren, C. S. and Lentnek, B. 1969. Activity Specialization Among Ohio's Recreation Boaters. Journal of Leisure Research 1 (4): 296-315.
- Vila, Jerry J. 1971. Ontario's 1970 Snowmobile Study. In M. Chubb (ed.), Proceedings of the 1971 Snowmobile and Off the Road Vehicle Research Symposium. Michigan State University, East Lansing.
- Wilkins, Bruce T. and Clifton W. Loomis. 1971. A Study of Campground Businesses in New York State. Ithaca, New York Department of Natural Resources and Department of Agricultural Economics. A. E. Res. 329.

- Wolfe, R. I. 1970. Discussion of Vacation Homes, Environmental Preferences and Spatial Behavior. Journal of Leisure Research 2: 85-87.
- Wolfe, R. I. 1970. Vacation Homes and the Gravity Model, Ekistics 29: 352-353.
- Wolfe, R. I. 1965. About Cottages and Cottagers. Landscape 15: 6-8.

## 12. Recreational Travel

The emphasis of these articles includes distances traveled and driving time as a determinant of which recreation places will be utilized. The Markov model of probability is discussed in a number of these studies, but most of the emphasis is on variations of gravity and inertia models. This section should prove of great practical concern in view of the fuel shortage and the way in which this perceived or real shortage affects travel in future years.

American Newspaper Publisher Association. 1969. The Segmented Travel Market: A Computer Approach to Traveler Types. New York: Bureau of Advertising, ANPA.

Brancher, D. 1968. Traffic in Scenic Areas - The User-Road Relationship Journal of the Town Planning Institute 54: 371-374.

Cesario, F. J. 1973. A Generalized Trip Distribution Model. Journal of Regional Science 13: 233-248.

Colenutt, R. J. 1969. Modelling Travel Patterns of Day Visitors to the Countryside. Area 2: 43-47.

Cravens, David W. and James C. Cotham III. 1970-71. Characteristics and Purchase Preferences of Interstate Motorist Travelers. Journal of Retailing 46 (Winter): 62.

Crevo, C. C. 1963. Characteristics of Summer Week-end Recreation Travel. Highway Research Record 41: 51-60.

Deacon, John A., Jerry A. Pigman, and Robert C. Deen. 1972. Travel to Outdoor Recreation Areas in Kentucky. Journal of Leisure Research (Fall): 312-332.

Deasy, G. F., P. R. Griess. 1966. Impact of a Tourist Facility on its Hunter Land. Annals of the Association of American Geographers 56: 290-306.

Duffell, J. R. and G. R. Goddall. 1969. Worchestershire and Staffordshire Recreational Survey 1966: Use of the Motor Car for Leisure Purposes. Journal of the Town Planning Institute 55 (1): 16-23.

Duffell, J. R. and C. M. Peters. 1971. Recreational Travel in Urban and Rural Areas. Traffic Engineering and Control (April): 31-35.

Ellis, J. B. 1967. A Systems Model for Recreational Travel in Ontario: A Progress Report. Ontario Joint Highway Research Programme, D. H. O. Report No. RR 126.

- Ellis, J. B. 1969. A Systems Model for Recreational Travel in Ontario: Further Results. Report No. RR 148, Downsview: Ontario Department of Highways.
- Ellis, Jack B. and Carlton Van Doren. 1966. A Comparative Evaluation of Gravity and System Theory Models for Statewide Reactional Traffic Flow. Journal of Regional Science 6 (2): 57-70.
- Foster, John. 1964. The Socioeconomic Consequences of Tourism. International Journal of Comparative Sociology 5 (September): 217-227.
- Freund, R. J. and R. R. Wilson. 1974. An Example of a Gravity Model to Estimate Recreation Travel. Journal of Leisure Research 6 (Summer): 241-256.
- Gilbert, E. G. and J. A. Wajno. 1972. Wilderness Travel Behavior: A Markov Renewal Model. Atlantic City: Joint National Meeting, Operations Research Society of America.
- Gordon, I. R. and S. L. Edwards. 1973. Holiday Trip Generation. Journal of Transport Economics and Policy 7: 153-168.
- Houghton-Evans, W. and J. C. Miles. 1970. Weekend Recreational Motoring in the Countryside. Journal of the Town Planning Institute 56: 392-397.
- IEEE Electronics Conference. 1971. Application of Markov Renewal Theory to Travel Behavior in the Boundary Waters Canoe Area, Chicago. (October).
- Jubenville, Alan. 1970. Travel Patterns of Wilderness Users in the Anaconda-Pintlar Wilderness. Ph.D. dissertation (unpublished). University of Montana.
- Keogh, B. M. 1969. The Role of Travel in the Recreational Day Trip. Unpublished M.A. thesis, University of Western Ontario.
- Lovelace, E. 1966. The Automobile and Recreation. Traffic Quarterly 20: 525-540.
- Malamud, Bernard. 1973. Gravity Model Calibration of Tourist Travel to Las Vegas. Journal of Leisure Research (Fall): 23-33.
- Mansfield, N. W. 1968. Traffic Policy in the Lake District National Park. Journal of the Town Planning Institute 54: 263-270.
- Matthias, J. S. and Crecco, W. L. 1968. Simplified Procedure for Estimating Recreational Travel to Multipurpose Reservoirs. Highway Research Record No. 250. Washington, D.C.: Highway Research Board, 54-69.



- Michigan Department of Conservation. 1966. Travel Models, Michigan Outdoor Recreation Demand Study. Vol. 1 Methods and Models. Technical Report No. 6. (June): 4.16-4.33.
- O'Rourke, Barry. 1974. Travel in the Recreational Experience - A Literature Review. Journal of Leisure Research 6 (Spring), in press.
- Pearson, R. E. 1968. Railways in Relation to Resort Development in East Lincolnshire. E. Mi.
- Pigman, J. G. 1971. Influence of Recreational Areas on the Functional Service of Highways. Research Report 310, Lexington: Kentucky Department of Highways.
- Rees Pryce, W. T. 1967. The Location and Growth of Holiday Caravan Campus in Wales. Trans.
- Sato, N. G. 1966. Estimating Trip Destination by Trip Purpose -- Social Recreation. Chicago Area Transportation Study Research News 8: 2-4.
- Schulman, L. L. 1964. Traffic Generation and Distribution of Weekend Recreational Trips. Report No. 8, Lafayette: Joint Highway Research Project, Purdue University.
- Smith, B. L. and E. D. Landman. 1965. Recreational Traffic to Federal Reservoirs in Kansas. Special Report No. 70, Manhattan: Engineering Experiment Station, Kansas State University.
- Sutton, Willis A., Jr. 1967. Travel and Understanding: Notes on the Social Structure of Touring. International Journal of Comparative Sociology 8 (September): 218-223.
- Thompson, B. 1967. Recreational Travel: A Review and Pilot Study. Traffic Quarterly 21: 527-542.
- Tiedemann, C. E. and D. Milstein. 1966. "Travel Models," Chapter 4 in Vol. 1, "Methods and Models," Michigan Outdoor Recreation Demand Study.
- Van Doren, C. 1967. An Interaction Travel Model for Projecting Attendance of Campers at Michigan State Parks. Ph.D. dissertation, Michigan State University, East Lansing, Michigan.
- Vickermann, R. 197. The Demand for Non-Work Travel. Journal of Transport Economics and Policy 6: 176-210.
- Walkern, J. R. 1966. Social Status of Head of Household and Trip Generation. Highway Research Record 114: 141-151.

- Wall, G. 1973. Car Owners and Holidays. Town Planning Review 44: 117-130.
- Wall, Geoffrey. 1972. Recreation and Cars. International Journal of Environmental Studies 3: 259-264.
- Wall, G. 1972. Socio-Economic Variations in Pleasure-Trip Patterns: The Case of Hull Car-Owners. Transactions of the Institute of British Geographers 57: 45-57.
- Wallace, Robert F. and Blake, Daniel R. 1966. Montana Travel Study. Helena, Montana: Montana State Highway Commission, July 11.
- Walfe, R. 1969. A Use Classification of Parks by Analysis of Extremes: Final Report of a Recreational Travel Study, Ontario Ministry of Transportation and Communications, Toronto, Ontario.
- Wolfe, R. 1966. Recreational Travel: The New Migration. Canadian Geographer 10: 1-14.
- Wolfe, R. I. 1965. Parameters of Recreational Travel in Ontario--A Progress Report. Proceedings of the Canadian Good Roads Association Meetings, Saskatoon, October.

13. Urban Recreation

Leisure and recreation is usually thought of in terms of country and wilderness activities. The major thrust of these publications is aimed at municipal planning of recreational programs, the participation of blacks and other minorities in recreation, the conflict of interests in land use, and the role recreation plays in an overall, quality of life valuation in urban areas.

Acar, William, 1973. A Method for Allocation of Recreation Supply to Urban Centres. Ottawa, Ontario: Ontario Ministry of Natural Resources. CORP Technical Note No. 17. Parks Canada, Ottawa.

Allardt, E. 1962. Community Activity, Leisure Use, and Social Structure In S. Rokkan, (ed.), Approaches to the Study of Political Participation, Bergen: Michelsens Institute.

Arnold, Robert H. 1970. Commercial Recreation in the Urban Environment, A Case Study in Midwestern United States. Unpublished Ph.D. dissertation, Clark University.

ASCE-ASME National Transportation Meeting. 1971. Markov Renewal Theory: An Application to Urban Travel Behavior. Seattle, Washington, July.

Axelrod, M. 1956. Urban Structure and Social Participation. American Sociological Review 21 (February): 13-18.

Babchuk, N. and W. W. Gordon. 1962. The Voluntary Association in the Slum. Lincoln: University of Nebraska Press.

Beaman, J. 1970. A Model of Allocation of Recreation Supply to Urban Centres. CORP Technical Note 17, National Parks, Ottawa.

Bell, Wendell, and Maryanne Force. 1956. Urban Neighborhood Types and Participation in Formal Associations. American Sociological Review 21 (February): 25-34.

Cicchetti, Charles, 1971. Some Economic Issues in Planning Urban Recreation Facilities. Land Economics 48 (February): 15.

Community Council of Greater New York. 1972. Urban Parks and Recreation: Challenge of the 1970's.

Cooper, Clare. 1970. The Adventure Playground: Creative Play in an Urban Setting. Berkeley: Center for Planning and Development Research.

Craig, W. 1972. Recreational Activity Patterns in a Small Negro Urban Community: The Role of the Cultural Base. Economic Geography 48 (1): 107-115.

- Dee, Norbert and Jon C. Liebman. 1970. A Statistical Study of Attendance at Urban Playgrounds. Journal of Leisure Research 2 (Summer): 145-159.
- Detroit Metropolitan Area Regional Planning Commission. 1960. Home Survey of Regional Recreation Activities. Detroit, Michigan.
- Emrie, W. J. 1970. Recreation Problems in the Urban Impacted Areas of California. Sacramento: California Department of Parks and Recreation.
- Emmett, Isabel. 1971. Youth and Leisure in an Urban Sprawl. Manchester: Manchester University Press.
- Friedberg, M. Paul. 1970. Play and Interplay: A Manifesto for New Design in Urban Recreational Environment. New York: MacMillan.
- Gold, S. 1969. A Concept for Outdoor Recreation Planning in the Inner-City. Unpublished Ph.D. dissertation, University of Michigan.
- Gold, S. 1972. Nonuse of Neighborhood Parks. Journal of the American Institute of Planners 38 (November): 369-378.
- Gold, Seymour M. 1973. Urban Recreation Planning. Philadelphia: Lea and Febiger.
- Gold, Steven D. 1972. The Distribution of Recreation Services in Detroit, 1968-69. Unpublished Ph.D. dissertation for the University of Michigan, Ann Arbor.
- Guggenheimer, Elinor. 1970. Planning for Recreation Need in Urban Areas. New York: Twayne Publishing Company.
- Hendricks, Jon N. 1971. Leisure Participation as Influenced by Urban Residence Patterns. Sociology and Social Research 55 (4): 414-428.
- Hightower, H. C. 1965. Recreation Activity Analysis: Toward A Spatial and Aspatial Methodology for Urban Planning. Chapel Hill: University of North Carolina, unpublished Ph.D. dissertation.
- Jenkins, Shirley. 1963. Comparative Recreation Needs and Services in New York Neighborhoods. New York: Community Council of Greater New York.
- Jones, W. H. 1970. Recreation and Amusement Among Negroes in Washington, D. C. Westport, Connecticut: Negro University Press.

- Jordon, M. L. 1963. Leisure Time Activities in Greater Cleveland. Sociology and Social Research 47 (April): 290-297.
- Kasperson, R. 1969. Political Behavior and the Decision-Making Process in the Allocation of Water Resources Between Recreational and Municipal Use. Natural Resources Journal 9: 176-211.
- Kaynor, E. R. and I. Howards. 1973. Attitudes, Values and Perceptions in Water Resource Decision-Making Within a Metropolitan Area. Boston: Massachusetts Water Resources Research Center. Publication No. 29.
- Keith, John P. and John P. Milsop. 1972. Park Space for Urban America. New York: Regional Plan Association.
- Kraus, Richard 1968. Public Recreation and the Negro--A Study of Participation and Administrative Practices. New York: Center for the Urban Education.
- LaMann, E. O. 1966. Prestige and Association in an Urban Community. New York: The Bobbs-Merrill Company, Inc.
- Lewis, Philip H. 1968. Nature in our Cities. In Bureau of Sport Fisheries and Wildlife (ed.), Symposium Proceedings-Man and Nature in the City. Washington: U. S. Government Printing Office.
- Lindsay, John J. Richard A. Ogle. 1972. Socioeconomic Patterns of Outdoor Recreation Use Near Urban Areas. Journal of Leisure Research 4 (Summer): 19-24.
- Mack, R. P. and F. M. Graves. 1970. (For Charles River Associates) Urban Transportation and Recreation: Summary and Import. New York: Institute of Public Administration.
- Meyer, Harold D., et. al. 1969. Community Recreation: A Guide to Its Organization. (Fourth Edition) Englewood Cliffs: Prentice-Hall, Inc.
- Mitchell, Lisle S. 1969. Toward a Theory of Public Urban Recreation. Proceedings of the Association of American Geographers 1: 103-108.
- Moncrief, L. W. 1972. The Role of the Park for Inner City Youth. 46th Michigan Forestry and Park Annual Conference. Department of Parks and Recreation Resources, Michigan State University, East Lansing, Michigan.
- National Forum on Urban Affairs 4th, 1969. Parks and Recreation in the Urban Crisis. National Recreation and Park Association. 1601 N. Kent Street, Arlington, Virginia.

- National League of Cities. 1968. Recreation in the Nations Cities: Problems and Approaches. Washington: Bureau of Outdoor Recreation, Department of the Interior.
- Nesbitt, James A. Brown, Paul D. and James F. Murphy. (eds.). 1970. Recreation and Leisure Service for the Disadvantaged. Philadelphia: Lea and Febiger.
- Rodgers, H. B. 1969. Leisure and Recreation. Urban Studies 6: 368-383.
- Rodgers, Joyce. 1961. Public Recreation-A Municipal Service in Alabama. Montgomery: Alabama League of Municipalities, July.
- Schuman, Howard and Gruenberg, Barry. 1972. Dissatisfaction with City Services: Is Race an Important Factor? Pp. 369-391 in H. Hahn. (ed.), People and Politics in Urban Society. Beverly Hills: Sage Publications.
- Scott, L. H. 1973. Development and Urban Recreation. In G. R. Golden (ed.) Environmental Quality and Water Development. San Francisco: W. H. Freeman and Company.
- Stutz, W. P. 1972. Friendships and Urban Inter-Residential Social Trip Length. International Geography 22: 844-847.
- The Roving Recreation Leader Training Guide: An In-Service Training Source For Inter-City Youth Services Personnel. 1971. Washington, D. C.: Government Printing Office, HE 5. 287-87055.
- Thorsell, James. 1967. Open Space for the Urban Region. Ontario Geography 1: 28-29.
- Tupper, M. 1966. No Place to Play. New York: Chilton Books.
- Underhill, Jack A. 1966. Urban Local Outdoor Recreation Facilities. in Public Facility Needs. Washington; D. C.: United States Printing Office. Pp. 532-554.
- United States Air Force, Pacific Air Forces. 1963. Community Recreation. Revised Edition.
- Vinton, Dennis Alan. 1969. The Relationship Between the Power Structure and Parks and Recreation in a Large Urban Community. Doctoral Dissertation. School of Health, Physical Education and Recreation. Bloomington: Indiana University.

Wheeler, J. O., and F. P. Stutz. 1971. Social Dimensions of Urban Social Travel. Annals of the Association of American Geographers 61: 371-386.

Wingo, Lowdon, Jr. 1964. Recreation and Urban Development: A Policy Perspective. Annals of the American Academy of Political and Social Science 352 (March): 129-140.

14. Leisure and Recreation Places

The following is a short listing of articles dealing with recreational places. It is obvious that the research studies have not been particularly numerous in this area perhaps due to the difficulty in generalizing the findings to other areas. However, the common themes which could be discovered from these types of studies are potentially very valuable.

Bevins, M. I. 1970. Youth Camps in Vermont. Bulletin 662. Agricultural Experiment Station. University of Vermont.

Butler, G. 1958. Recreation Areas. New York: Roland Press.

Cheek, Neil H., Jr. 1968. A Sociology of Parks: Preliminary Formulation. Paper presented at Annual Meeting. Rural Sociological Society, August, 1968.

Cheek, Neil H., Donald R. Field and Rabel James Burdge, 1975. Leisure and Recreation Places. Ann Arbor, Michigan: Ann Arbor Science Publishers, Inc.

Field, Donald R. 1971. Interchangeability of Parks and Other Leisure Settings. Paper presented at AAAS symposium, Philadelphia, Pennsylvania, December 26-31.

Johnson, A. Stephen. 1972. McKinley: New Freedom to Enjoy. National Parks and Conservation Magazine (December): 15-13.

Newman, Otto. 1968. The Sociology of the Betting Shop, British Journal of Sociology 19 (March): 17-33.

Parks and Recreation. Vol. Local Parks and Recreation, (August, 1971).

Polsky, Ned. 1967. Tourism: End of the Male Sanctuary. Trans-Action 4 (March): 52-53.

Reeves, Jay B. and Alvin L. Bertrand. 1969. Employee Mobility and Community Cohesion in a National Park. Journal of Leisure Research 1 (Autumn): 342-347.

Richards, Cara E. 1963-64. City Taverns. Human Organization 22 (Winter): 260-268.

Roebuck, Julian and S. Lee Spray. 1967. The Cocktail Lounge: A Study of Heterosexual Relations in a Public Organization. American Journal of Sociology 72 (January): 388-395.

Rutledge, Albert J. 1971. Anatomy of a Park. New York: McGraw-Hill Book Company.



Tindall, Barry S. 1970. State Parks--Land for all Seasons. Parks and Recreation 5 (12): 25-28, 51-53.

Williams, W. R. 1958. Recreation Places. New York: Reinhold Publishing Company.

Yorkshire and Humberside Sports Council. 1967. A Study of Coastal Recreation.

15. Leisure Values and Attitudes

This section overlaps a great deal with the section 7, "Profiles of Behavior." The approach is slightly different, however, in its focus on personality characteristics, and value and attitudinal aspects of leisure as distinct from actual behavior. The listed research deals mainly with the social-psychological nature of leisure and recreation.

Azrael, Jeremy R. 1961. Notes on Soviet Urban Attitudes Toward Leisure. Social Problems 9 (Summer): 69-78.

Bartholomew, Warren M. 1953. An Investigation of the Relationship Between the Range and Intensity of Interest in Recreational Activities and Certain Environmental, Educational, and Personality Adjustment Factors of College Freshmen Men. Unpublished Ph.D. dissertation. The Pennsylvania State University.

Bishop, Doyle, et. al. 1972. Measurement of Children's Preferences for the Play Environment, Environmental Design: Research & Practice, Proceedings of the Third Annual Environmental Design Research Association Conference, edited by W. J. Mitchell, University of California.

Booth, E. G. 1956. Personality traits of athletes as measured by the NMPE. Research Quarterly 29: 127-139.

Brown, Perry J. 1970. Sentiment Changes and Recreation Participation. Journal of Leisure Research 2 (Fall): 264-268.

Burdge, Rabel J. 1961. The Protestant Ethic and Leisure-Orientations. Paper presented at the 1961 meeting of the Ohio Valley Sociological Society, Cleveland, April, 1961

Burdge, Rabel J. 1961. Rural-Urban Differences in Leisure-Orientations. Paper presented at the 1961 meeting of the Rural Sociological Society, Ames, Iowa, August.

Burkhead, D. L. 1972. The Role of Government in Pollution and Recreation Policy: A Multi-Sample Factor-Analytical Approach to Attitude Scale Development. M.G. thesis. Ames, Iowa State University.

Catton, William R., Jr. 1969. Motivations of Wilderness Users. Pulp and Paper Magazine of Canada. December 19th. Pp. 121-126.

Catton, William R., Jr. 1969. Influence of Early Environment on Recreational Behavior. Presented at the annual convention for the American Association for the Advancement of Science, Boston, Massachusetts.

- Cesaric, F. J., Goldstone, and J. L. Knetsch, 1969. A Report on Outdoor Recreation Demands and Values to Middle Atlantic Utility Group. Columbus: Battelle Memorial Institute (Columbus Laboratory).
- Christensen, James E. and Dean R. Yoesting. 1973. Social and Attitudinal Variants in High and Low Use of Outdoor Recreation Facilities. Journal of Leisure Research 5 (Spring): 6-15.
- Christophersen, K. A. 1972. An Analysis of Attitudes and Opinions of St. Joe River Basin Landowners Towards Wild and Scenic Rivers. Moscow: Idaho University Water Resources Research Institute, Scenic River Study No. 2. National Technical Information Service publication PB 217-860.
- Clark, Roger N., John C. Hendee, and Frederick L. Campbell, 1971. Values, Behavior and Conflict in Modern Camping Culture. Journal of Leisure Research 3 (Summer): 143-159.
- Craik, K. H. 1969. Forest Landscape Perception. Institute of Personality Assessment and Research, Berkeley, University of California.
- Cunningham, K. R. 1961. The Meaning of Leisure: An Analysis of Community Studies. Family Life Coordinator 10 (January): 3-16.
- David, W. C. 1962. Values of Hunting and Fishing in Arizona, 1960. Tucson, Arizona: Bureau of Business and Public Research, Special Studies No. 21, University of Arizona.
- Deal, R. E. and M. H. Halbert. 1971. The Application of Value Theory to Water Resources Planning and Management. National Technical Information Service PB 204-547.
- Environmental Design Resource Association and the American Institute of Architects, 1972. Measurement of Children's Preferences for the Play Environment. Combined Meetings at UCLA, Los Angeles, January.
- Eisele, T. T. 1970. Wisconsin Waterfowl Hunter Attitudes on Regulations and Management Policies. Unpublished M. S. Thesis. Madison: University of Wisconsin.
- Farina, Alfred J. 1965. A Study of the Relationship Between Personality Factors and Patterns of Free Time Behavior. Unpublished doctoral dissertation. Washington University.
- Ferriss, Abbot L. 1970. The Social and Personality Correlates of Outdoor Recreation. Annals of the American Academy of Political and Social Science 389 (May): 46-55.

- Field, Donald R. 1971. Interchangeability of Parks With Other Leisure Settings. Paper presented at the AAAS Symposium Philadelphia, PA. Dec. 26-31, 1971.
- Gibbs, K. C. 1973. Components of University Recreation Values. Southern Journal of Agricultural Economics 5 (July): 239-244.
- Harry, J. H., R. Gale, and J. Hendee. 1969. Conservation: An Upper Middle-Class Social Movement. Journal of Leisure Research 1 (3): 246-254.
- Havighurst, Robert. The Nature and Values of Meaningful Free-time Activities. Havighurst, Robert. 1961. Aging and Leisure. New York: O.
- Haward, L. R. 1969. Personality of Parachutists: I. Neuroticism, Extra version, and Stress Tolerance. Flight Safety 2 (4): 12-15.
- Heath, Edward H. 1967. A Semantic Differential Study of Attitudes Relating to Recreation as Applied to a Bicultural Setting. Urbana. Unpublished Doctoral dissertation, University of Illinois.
- Hendee, John C. and William R. Catton, Jr. 1968. Wilderness Users. . . What Do They Think? American Forests (September).
- Hendee, John C. and Robert W. Harris, 1970. Foresters' Perception of Wilderness User Attitudes and Preferences. Journal of Forestry 68 (December): 759-762.
- Hendricks, Jon 1969. Residence Patterns and Leisure Orientation, paper presented to Pacific Sociological Association, ril.
- Hendricks, Jon and Carol D. Hendricks. 1972. Implications of Leisure and Work Attitudes Among the Retired. Presented to 9th International Congress of Gerontology, Kiev. USSR, July.
- Hendricks, Jon 1970. Leisure Attitudes and Leisure Participation Among Middle Aged and Elderly Urban Residents, paper presented to Gerontological Society, October.
- Hollander, Paul 1966. Leisure as an American and Soviet Value. Social Problems 14 (Fall): 179-188.
- Hopkins, W. S. 1969. Some Social and Aesthetic Needs and Opportunities of Outdoor Recreation on Forest Lands. Soil Conservation Society of America Proceedings 24th: 108-112.

- Howard, Dennis R. 1974. Multi-variate Relationships Between Leisure Activities and Personality. Journal of Leisure Research 6 (Summer) (Forthcoming).
- Ibrahim Hilmi. 1969. Recreational Preference and Personality. Research Quarterly (40): 76-83.
- Jackson, Royal G. 1973. A Preliminary Bicultural Study of Value Orientations and Leisure Attitudes. Journal of Leisure Research 5 (Fall): 10-22.
- Jackson, Royal G. 1971. A Bicultural Study of Value Orientations, Leisure Attitudes and Activity Preferences. Albuquerque. Unpublished Doctoral dissertation, University of New Mexico.
- Karlsson, K. A. and M. J. Ellis. 1972. Height Preferences of Young Children At Play. Journal of Leisure Research 4 (Winter): 33-42.
- Kenyon, G. S. 1968. Six Scales for Assessing Attitude Toward Physical Activity. Research Quarterly 39: 566-574.
- Klessig, L. L. 1970. Hunting in Wisconsin: Initiation, Desertation, Activity Patterns, and Attitudes as Influenced by Social Class and Residence. Unpublished M. S. thesis. Madison: University of Wisconsin.
- Kroll, W., and K. H. Peterson. 1965. Personality Factor Profiles of Collegiate Football Teams. Research Quarterly 36: 433-440.
- Litton, R. B., Jr., R. J. Tetlow, J. Sonenson, and R. A. Beatty. 1971. An Aesthetic Overview of the Rate of Water in the Landscape. Berkeley: California. University and National Technical Information Service publication PB 207-315.
- Lowrey, George A., Jr. 1970. A Multivariate Analysis of the Relation Between Selected Leisure Behavior Variables and Personal Values. Dissertation Abstract International. 30, 7-2868.
- Maloney, T. Lawrence and Brian M. Petrie. 1972. Professionalization of Attitude Toward Play Among Canadian School Pupils as a Function of Sex, Grade, and Athletic Participation. Journal of Leisure Research 4 (Summer): 184-195.
- Marquardt, R. A., A. F. McGann, J. C. Ratliff, and J. C. Routson. 1972. The Cognitive Dissonance Model as a Predictor of Customer Satisfaction Among Camper Owners. Journal of Leisure Research 4 (Fall): 275-283.

- McPherson, H. D., and Yuhase, M. S. 1968. An Inventory for Assessing Man's Attitudes Toward Exercise and Physical Activity. Research Quarterly 39 (March): 218.
- McKechnie, G. E. 1974. The Psychological Structure of Leisure: I. Past Behavior. Journal of Leisure Research 6 (1): (in press).
- Mead, Margaret. 1962. Outdoor Recreation in the Context of Emerging American Cultural Values: Background Considerations, In Outdoor Recreation Resources Review Commission, Trends in American Living and Outdoor Recreation, Study Report 22 Washington, D.C.: U. S. Government Printing Office.
- Mead, Margaret. 1957. The Pattern of Leisure in Contemporary American Culture. Annals of American Academy of Political and Social Science 313 (September): 11-15.
- Meyersohn, Rolf. 1970. The Charismatic and the Playful in Outdoor Recreation. Annals of the American Academy of Political and Social Sciences. 389 (May): 35-45.
- Millar, Susanna. 1968. The Psychology of Play. Middlesex, England: Penguin Books.
- Moncried, L. W. 1970. An Analysis of Hunter Attitudes Toward the State of Michigan's Antlerless Deer Hunting Policy. Unpublished Ph.D. dissertation. East Lansing: Michigan State University.
- More, T. A. 1970. Motivational Attitudes of Licensed Massachusetts Hunters. Unpublished M.S. thesis. Amherst: University of Massachusetts.
- Moss, W. T. 1969. Substitutability of Recreation Activities in Meeting Stated Needs and Drives of the Visitor and Implications for Planning Recreation Sites. A paper prepared for the Annual Meeting of the Rural Sociological Society, San Francisco, August 28-31, 1969.
- Moss, William T., Lois Shackelford and G. L. Stokes. 1969. Recreation and Personality, Journal of Forestry (March): 182-184.
- Moss, William T., and Stephen C. Lamphear. 1970. Substitutability of Recreational Activities in Meeting Stated Needs and Drives of the Visitor. Journal of Environmental Education 1 (Summer): 129-131.
- Neulinger, John and Miranda Breit. 1971. Attitude Dimensions of Leisure: A Replication Study. Journal of Leisure Research 3 (Spring): 108-115.

- Neulinger, John and Miranda Breit. 1969. Attitude Dimensions of Leisure. Journal of Leisure Research 1 (Summer): 255-261.
- Neulinger, John and Charles S. Raps. 1972. Leisure Attitudes of an Intellectual Elite. Journal of Leisure Research 4 (Summer): 196-207.
- O'Conner, C. A. 1971. A Study of Personality Needs Involved in Selection of Specific Leisure Interest Groups. Dissertation Abstracts International 31 (11-a): 5865.
- Payne, Barbara A. 1973. The Meaning of Non-work Activities to Small Town Non-Metropolitan Residents of the Piedmont Region. Paper presented to the Rural Sociological Society at University of Maryland, College Park, Maryland.
- Peterson, George L. 1974. A Comparison of the Sentiments and Perceptions of Wilderness Managers and Canoeists in the Boundary Waters Canoe Area. Journal of Leisure Research, 6 (Spring): in press.
- Peterson, G. L. 1971. Motivations, Perceptions, Satisfaction and Environmental Disposition of Boundary Waters Canoe Area Users and Managers, Final Report, Cooperative Research Project No. 13-253 between Northwestern University and the North Central Forest Experiment Station, U. S. Forest Service: Department of Civil Engineering, Northwestern University, Evanston, Illinois.
- Peterson, George L. and Edward S. Newmann. 1969. Modeling and Predicting Human Response to the Visual Recreation Environment. Journal of Leisure Research 1 (Summer): 219-237.
- Petrie, E. M. 1971. Achievement Orientations in the Motivations of Canadian University Students Toward Physical Activity. C.A.H.O.E.R. Journal 37 (3): 7-13.
- Price, C. D. and H. B. Gamble. 1972. A Comparison of Public and Resource Administrator Visual Perceptions of an Outdoor Water-Based Recreation Area. University Park: Pennsylvania State University for Research on Land and Water Resources. National Technical Information Service publication PB 213-467.
- Roper, Burns. 1969. A Ten-Year View of Public Attitudes Toward Television and Other Mass Media. New Media. New York: Television Information Office.
- Sargent, F. O. 1972. Motives for Outdoor Recreation. Journal of Northeastern Agricultural Economics Council 1 (Summer): 217-224.

- Searls, Laura G. 1966. Leisure Role Emphasis of College Graduate Home-makers. Journal of Marriage and the Family 28 (February): 77-82.
- Shafer, E. L. 1965. Preferences for Outdoor Recreation Facilities. Journal of Forestry (July): 512-518.
- Shafer, E. L. and H. D. Burke. 1965. Preferences for Outdoor Recreation Facilities in Four State Parks. Journal of Forestry 63: 512-518.
- Shafer, E. L., Jr., John E. Hamilton, Jr. and Elizabeth A. Schmidt. 1969. National Landscape Preferences: A Predictive Model. Journal of Leisure Research 1 (Winter): 1-20.
- Shafer, E. L. Jr., and G. Moeller. 1971. Predicting Quantitative and Qualitative Values of Recreation Participation, Proceedings, Forest Recreation Symposium, U. S. Forest Service, Upper Darby, Pennsylvania, pp. 5-22.
- Shafer, E. L., and Michael Tooby. 1973. Landscape Preferences: An International Replication. Journal of Leisure Research 5 (Summer): 60-65.
- Shilling, Charles L. and Richard L. Bury. 1973. Attitudes Toward Recreational Development Potentials of Non-Corporate Landowners. Journal of Leisure Research 5 (Spring): 74-82.
- Shuster, Arnold A. 1971. The Minnesota Teacher Attitude Inventory as a Prediction of Leadership Styles In a Recreation Setting. Journal of Leisure Research 3 (Summer): 168-177.
- Sofranko, A. J. and Nolan, M. F. 1970. Selected Characteristics, Participation Patterns and Attitudes of Hunters and Fishermen in Pennsylvania. University Park, Pennsylvania: Agricultural Experiment Station, Bulletin 770, Pennsylvania State University.
- Sonnenfeld, Joseph. 1966. Variable Values in Space and Landscape: An Inquiry into the Nature of Environmental Necessity. Journal of Social Issues 22 (4): 71-82.
- Spaulding, Irving A. 1970. Variation of Emotional States and Environmental Involvement During Occupational Activity and Sport Fishing. Kingston, R. I., University of Rhode Island Agricultural Experiment Station, Bulletin 402.
- Webb, H. 1969. Professionalization of Attitudes Toward Play Among Adolescents. Pp. 161-178 in Kenyon, G. S. (ed.), Sociology of Sport. Chicago: The Athletic Institute.